

Data File : VW008400.D
Acq On : 24 Jan 2019 16:59
Operator : SY/VA
Sample : VSTDICC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

Quant Time: Jan 25 10:50:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 25 10:41:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	555071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	897662	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	818616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	417346	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	900629	155.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	311.96%	
35) Dibromofluoromethane	7.88	113	830618	144.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.92%	
50) Toluene-d8	10.32	98	3426567	152.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.44%	
62) 4-Bromofluorobenzene	12.62	95	1330696	164.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.64%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	500212	143.020	ug/l	99
3) Chloromethane	2.21	50	784756	153.065	ug/l	99
4) Vinyl Chloride	2.37	62	942929	143.941	ug/l	99
5) Bromomethane	2.77	94	640626	129.043	ug/l	97
6) Chloroethane	2.92	64	608483	141.911	ug/l	95
7) Trichlorofluoromethane	3.25	101	816209	169.693	ug/l	99
8) Diethyl Ether	3.67	74	458021	137.322	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	833899	148.913	ug/l	99
10) Methyl Iodide	4.26	142	1318727	146.014	ug/l	100
11) Tert butyl alcohol	5.17	59	344821	886.962	ug/l	98
12) 1,1-Dichloroethene	4.03	96	835443	146.686	ug/l	94
13) Acrolein	3.89	56	294214	834.597	ug/l	96
14) Allyl chloride	4.66	41	1655449	173.865	ug/l	99
15) Acrylonitrile	5.36	53	1036804	809.220	ug/l	99
16) Acetone	4.12	43	967230	721.310	ug/l	98
17) Carbon Disulfide	4.37	76	2708173	156.265	ug/l	99
18) Methyl Acetate	4.67	43	555735	155.148	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	1351507	155.015	ug/l	99
20) Methylene Chloride	4.90	84	865165	121.501	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	956850	149.582	ug/l	99
22) Diisopropyl ether	6.31	45	3190715	171.644	ug/l	99
23) Vinyl Acetate	6.25	43	9585687	964.677	ug/l	100
24) 1,1-Dichloroethane	6.21	63	1774461	156.775	ug/l	99
25) 2-Butanone	7.17	43	1436702	836.519	ug/l	99
26) 2,2-Dichloropropane	7.17	77	1091991	151.182	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	1047632	151.160	ug/l	99
28) Bromochloromethane	7.51	49	745302	159.828	ug/l	96
29) Tetrahydrofuran	7.52	42	941388	879.225	ug/l	99
30) Chloroform	7.67	83	1732357	154.693	ug/l	99
31) Cyclohexane	7.95	56	1665595	154.449	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	1455111	154.824	ug/l	100
36) 1,1-Dichloropropene	8.08	75	1410237	156.151	ug/l	100
37) Ethyl Acetate	7.25	43	636198	170.825	ug/l	100
38) Carbon Tetrachloride	8.07	117	1400409	157.032	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	1832368	170.569	ug/l	98
40) Benzene	8.32	78	3934608	153.799	ug/l	99
41) Methacrylonitrile	7.48	41	394721	182.064	ug/l	94
42) 1,2-Dichloroethane	8.40	62	1144838	160.037	ug/l	99
43) Isopropyl Acetate	8.43	43	1321026	187.782	ug/l	99
44) Trichloroethene	9.09	130	1043845	148.931	ug/l	98
45) 1,2-Dichloropropane	9.37	63	985633	155.103	ug/l	98
46) Dibromomethane	9.46	93	507027	153.088	ug/l	98
47) Bromodichloromethane	9.64	83	1338809	163.877	ug/l	100
48) Methyl methacrylate	9.43	41	649136	196.012	ug/l	98
49) 1,4-Dioxane	9.45	88	164200	3079.708	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	3294452	924.846	ug/l	100
52) Toluene	10.39	92	2661663	164.404	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	1451441	178.008	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	1625279	169.088	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	707642	154.044	ug/l	98
56) Ethyl methacrylate	10.65	69	1019736	189.016	ug/l	99
57) 1,3-Dichloropropane	10.93	76	1251925	156.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	2311016	888.070	ug/l	99
59) 2-Hexanone	10.97	43	2339766	937.454	ug/l	99
60) Dibromochloromethane	11.13	129	902856	164.679	ug/l	99
61) 1,2-Dibromoethane	11.24	107	693437	155.887	ug/l	100
64) Tetrachloroethene	10.86	164	894635	155.860	ug/l	96
65) Chlorobenzene	11.66	112	2789609	156.229	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	1004898	163.517	ug/l	100
67) Ethyl Benzene	11.73	91	5132607	165.549	ug/l	99
68) m/p-Xylenes	11.84	106	3984227	331.084	ug/l	100
69) o-Xylene	12.17	106	1930395	171.700	ug/l	99
70) Styrene	12.18	104	3235909	179.186	ug/l	99
71) Bromoform	12.35	173	572527	187.012	ug/l #	100
73) Isopropylbenzene	12.47	105	5292629	174.049	ug/l	99
74) N-amyl acetate	12.27	43	1430142	219.456	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	839930	162.388	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	1207183	317.631	ug/l	22
77) Bromobenzene	12.75	156	1130430	154.765	ug/l	97
78) n-propylbenzene	12.81	91	6248697	169.772	ug/l	100
79) 2-Chlorotoluene	12.90	91	3600996	171.235	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	4387341	172.897	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	325070	204.115	ug/l	97
82) 4-Chlorotoluene	12.99	91	3861636	175.725	ug/l	99
83) tert-Butylbenzene	13.21	119	3854095	172.565	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	4377313	169.335	ug/l	99
85) sec-Butylbenzene	13.39	105	5467439	170.501	ug/l	100
86) p-Isopropyltoluene	13.51	119	4731202	168.926	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	2227813	153.508	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	2224767	153.015	ug/l	100
89) n-Butylbenzene	13.83	91	4713926	175.465	ug/l	100
90) Hexachloroethane	14.10	117	922601	178.001	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	2011063	156.952	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	149228	176.443	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW012419\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	1390053	160.259	ug/l	99
94) Hexachlorobutadiene	15.24	225	809238	165.543	ug/l	99
95) Naphthalene	15.37	128	2509614	173.149	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	1186243	157.013	ug/l	99

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

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Sample : VSTDICC150

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 9      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICC150

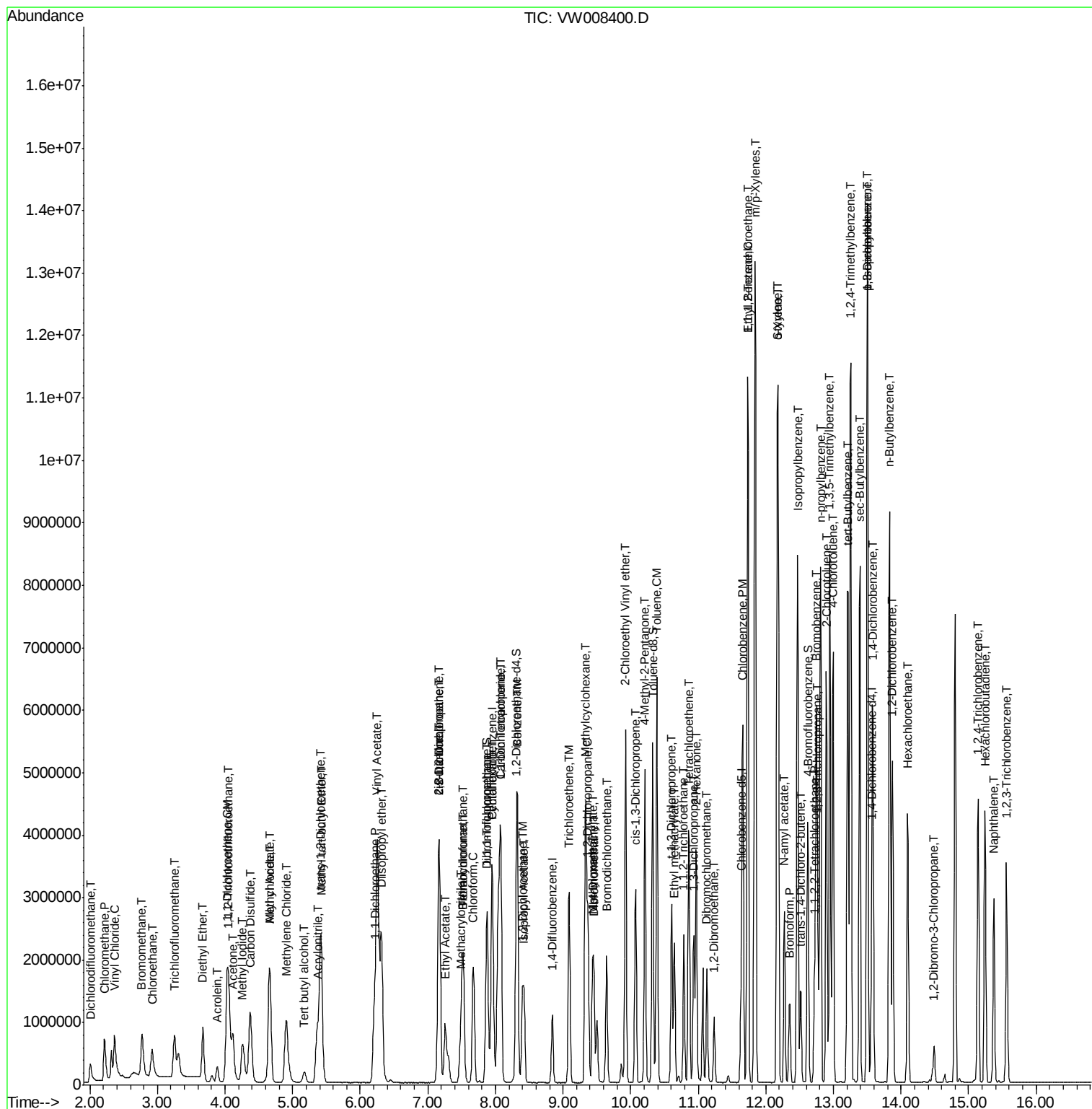
Quant Time: Jan 25 10:50:23 2019

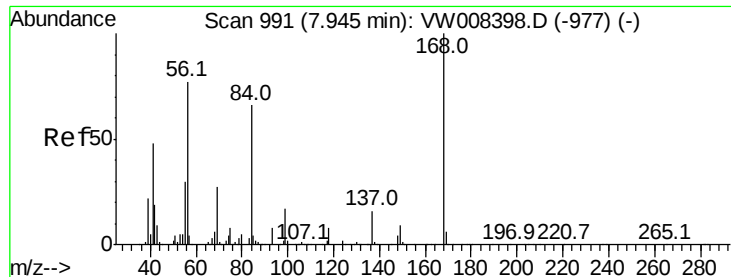
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W012419S.M

Quant Title : SW846 8260

QLast Update : Fri Jan 25 10:41:14 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

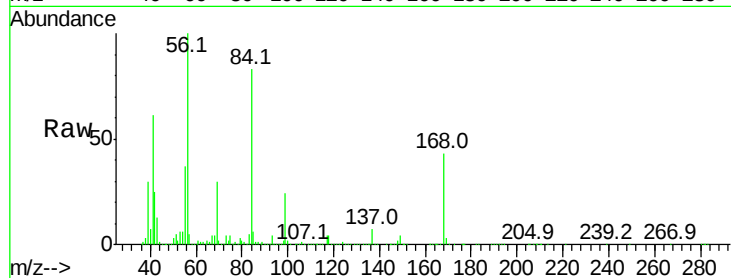
VSTDIC150

Tgt Ion:168 Resp: 555071

Ion Ratio Lower Upper

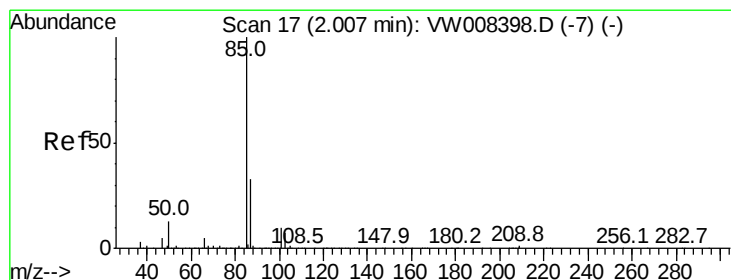
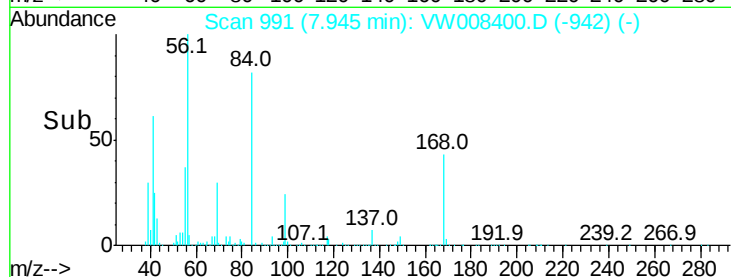
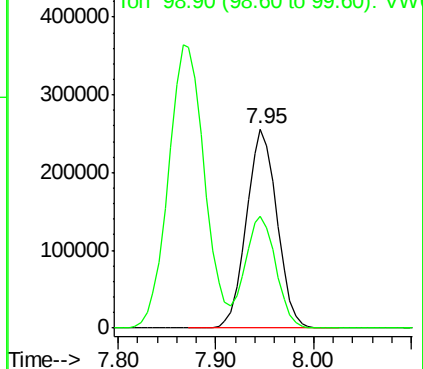
168 100

99 56.1 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 143.020 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008400.D

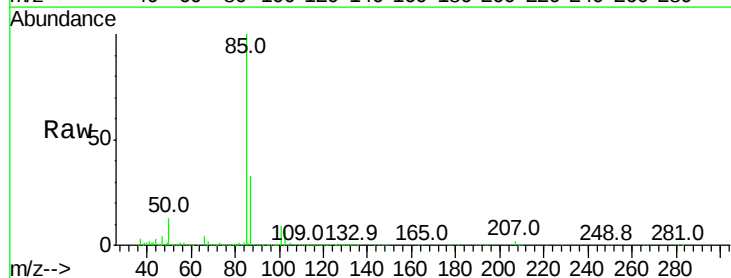
Acq: 24 Jan 2019 16:59

Tgt Ion: 85 Resp: 500212

Ion Ratio Lower Upper

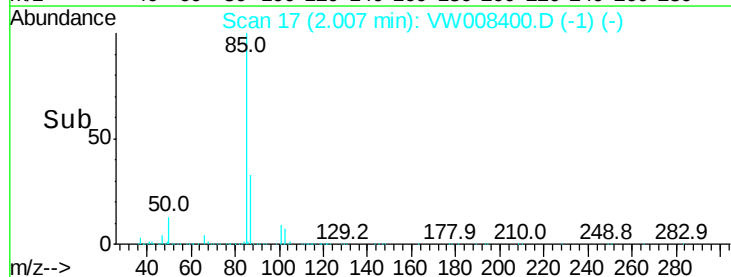
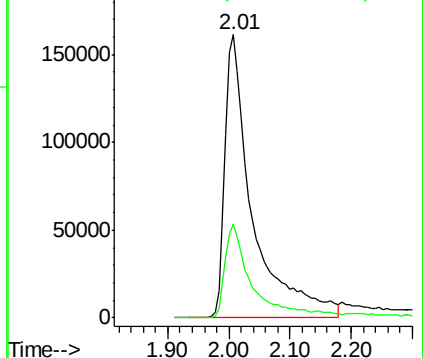
85 100

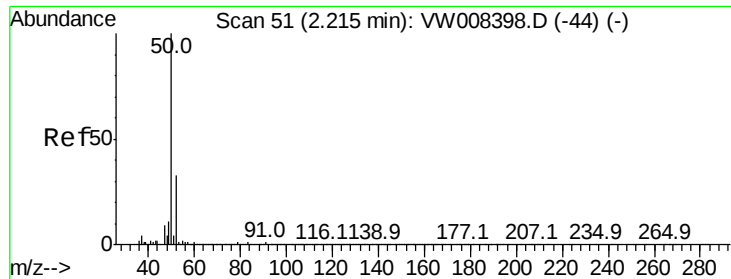
87 33.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 153.065 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008400.D

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ClientSampleId :

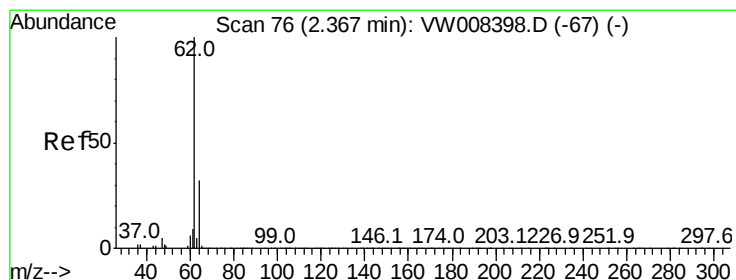
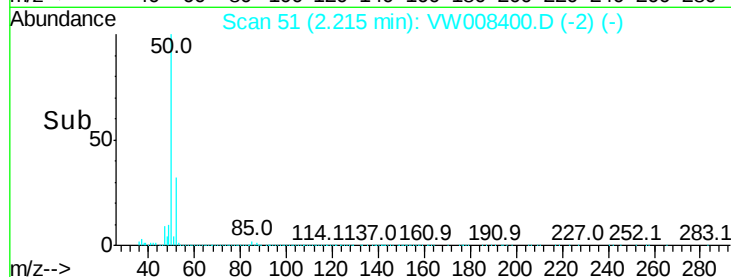
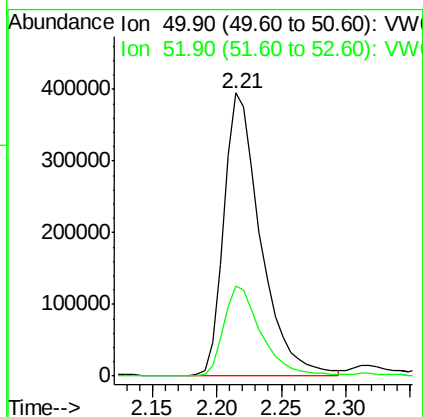
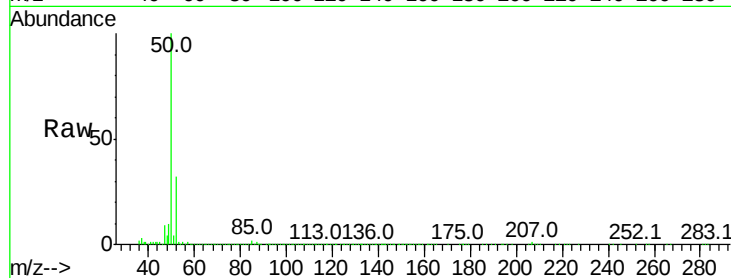
VSTDIC150

Tgt Ion: 50 Resp: 784756

Ion Ratio Lower Upper

50 100

52 32.1 26.3 39.5



#4

Vinyl Chloride

Concen: 143.941 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW008400.D

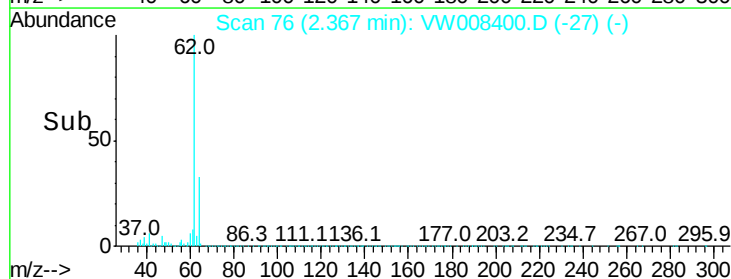
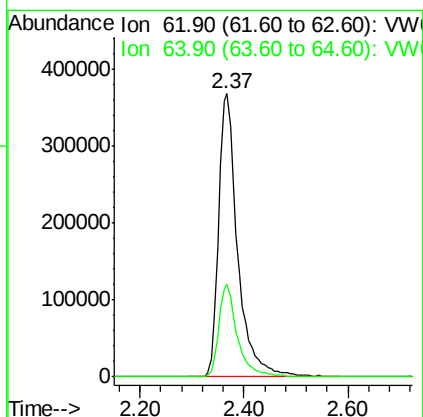
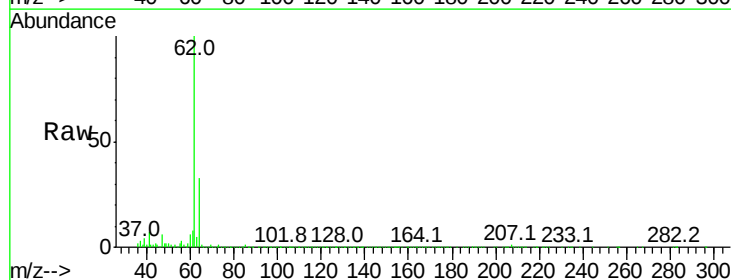
Acq: 24 Jan 2019 16:59

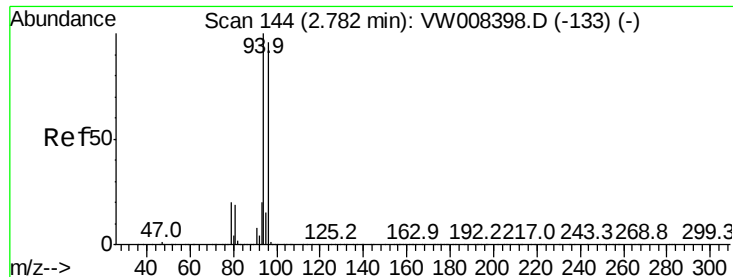
Tgt Ion: 62 Resp: 942929

Ion Ratio Lower Upper

62 100

64 32.7 25.5 38.3





#5

Bromomethane

Concen: 129.043 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

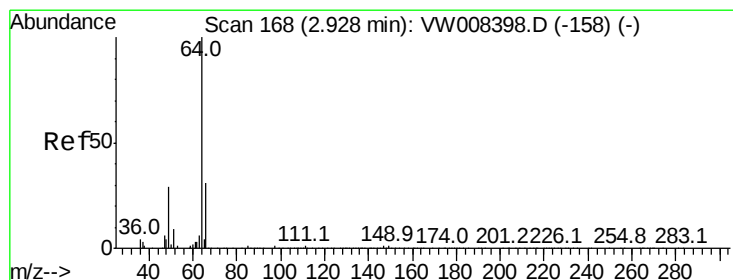
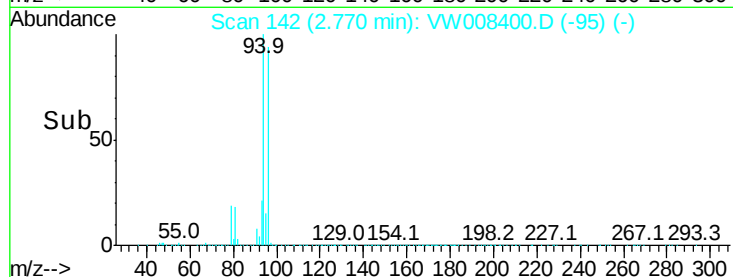
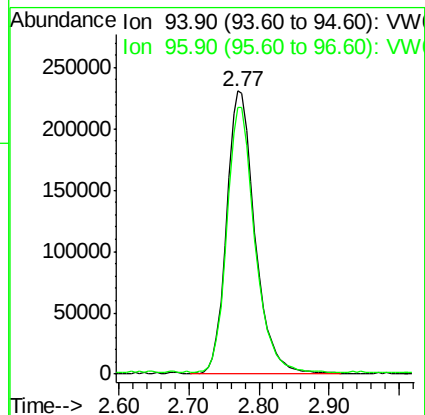
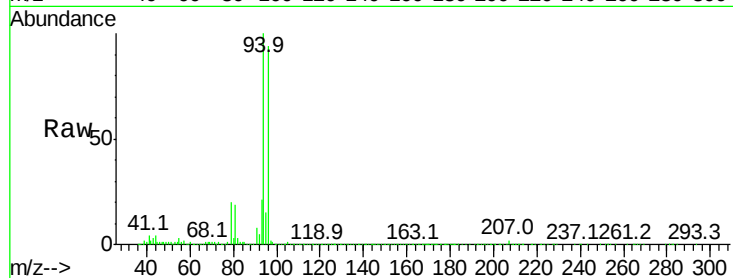
VSTDIC150

Tgt Ion: 94 Resp: 640626

Ion Ratio Lower Upper

94 100

96 94.0 77.2 115.8



#6

Chloroethane

Concen: 141.911 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008400.D

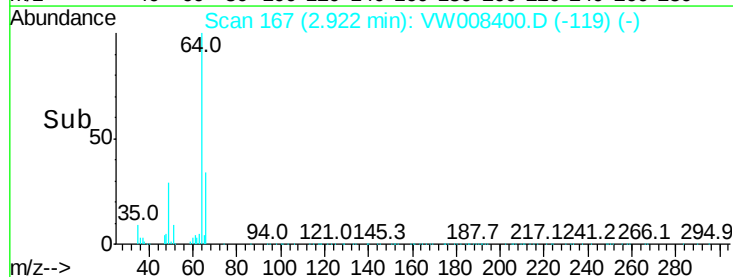
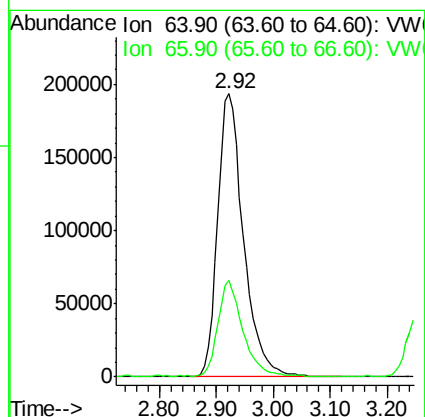
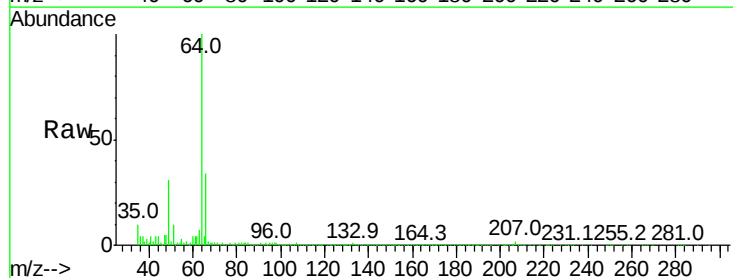
Acq: 24 Jan 2019 16:59

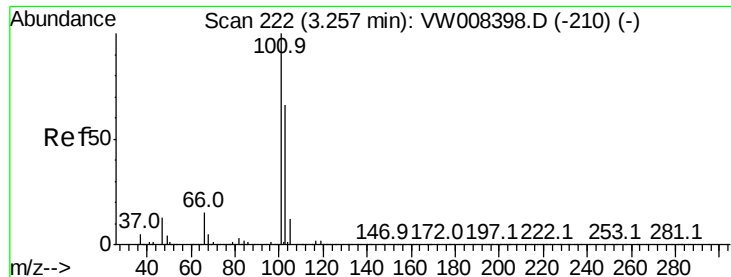
Tgt Ion: 64 Resp: 608483

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3



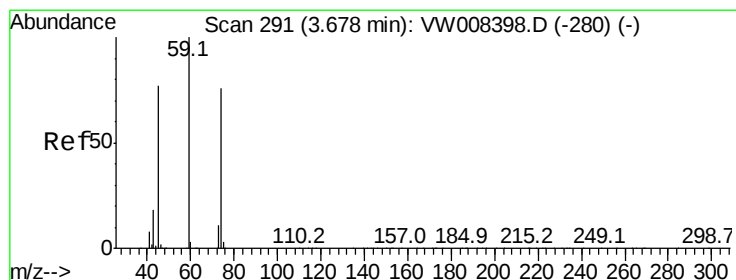
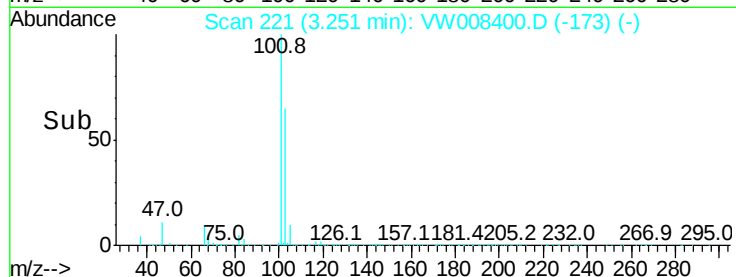
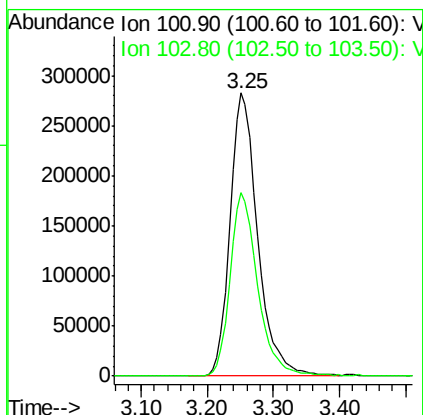
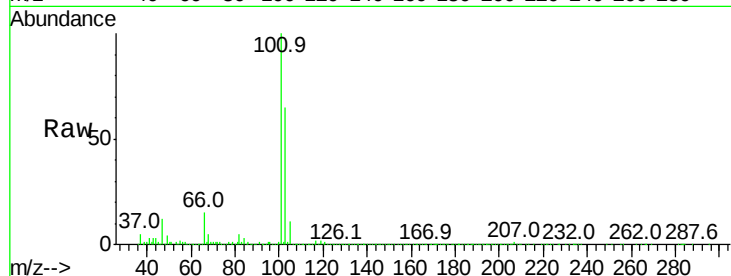


#7

Trichlorofluoromethane
Concen: 169.693 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

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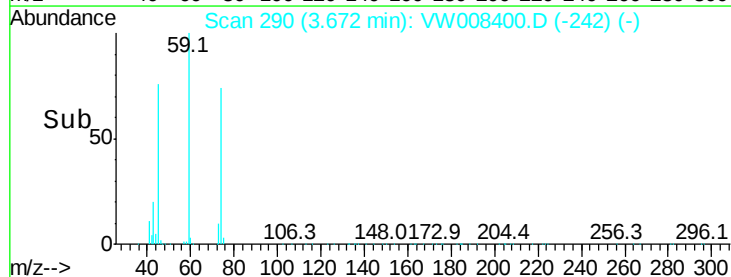
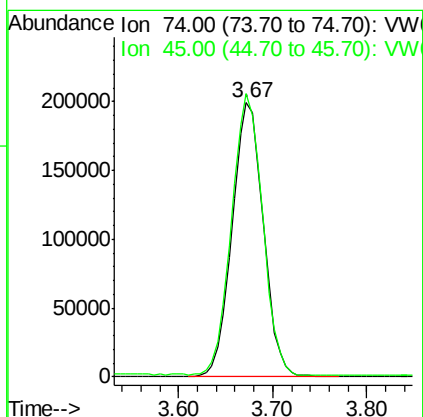
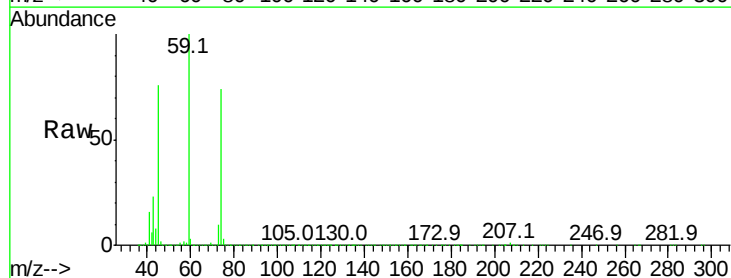
Tgt Ion:101 Resp: 816209
Ion Ratio Lower Upper
101 100
103 64.7 52.5 78.7

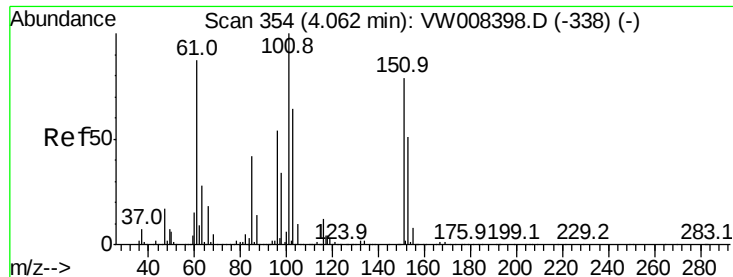


#8

Diethyl Ether
Concen: 137.322 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 74 Resp: 458021
Ion Ratio Lower Upper
74 100
45 102.7 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.913 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

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VSTDIC150

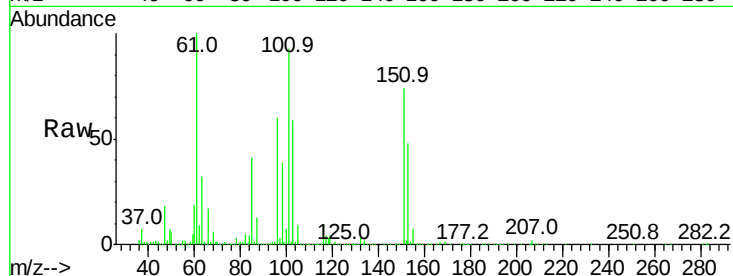
Tgt Ion:101 Resp: 833899

Ion Ratio Lower Upper

101 100

85 44.8 35.0 52.4

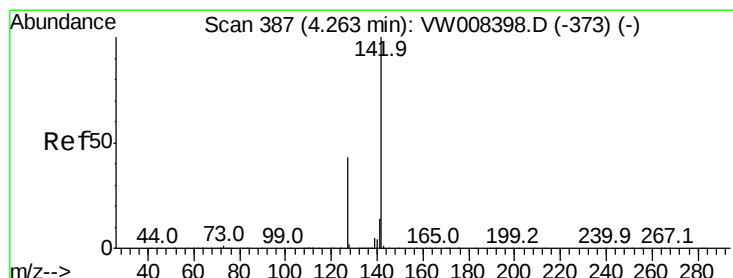
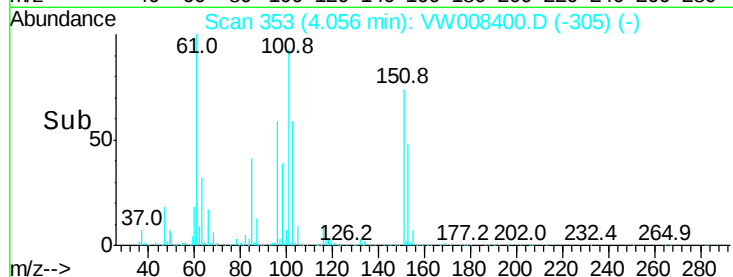
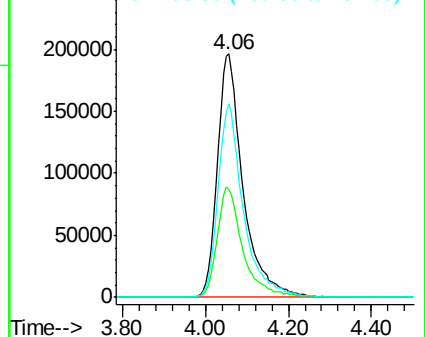
151 79.0 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 146.014 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

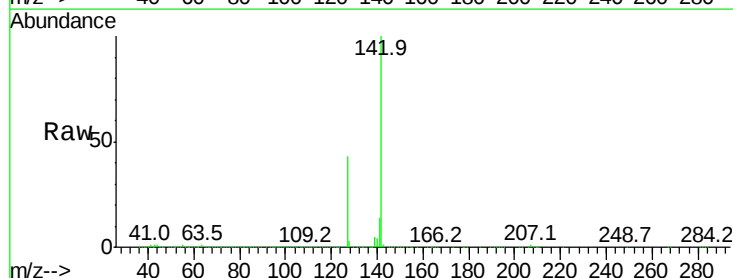
Tgt Ion:142 Resp: 1318727

Ion Ratio Lower Upper

142 100

127 43.5 34.6 52.0

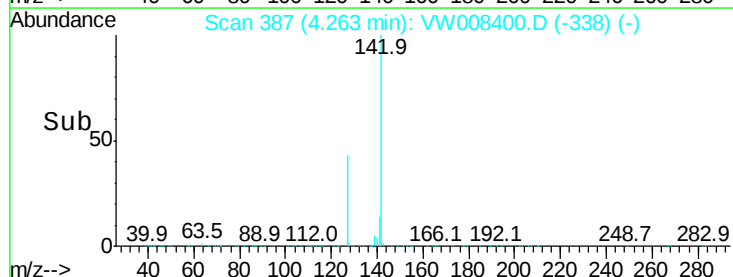
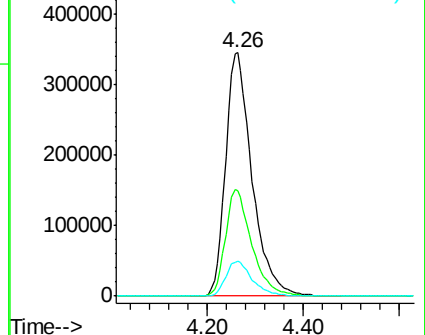
141 14.3 11.4 17.2

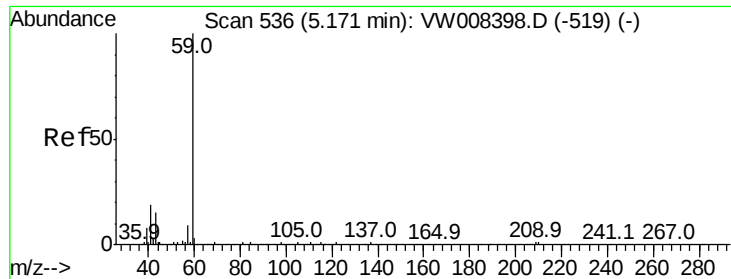


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



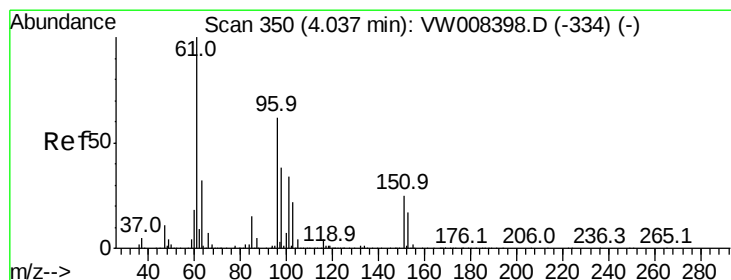
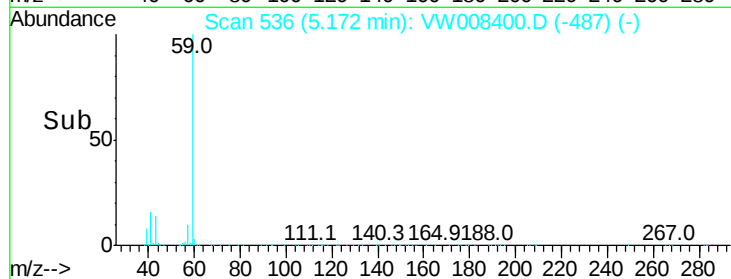
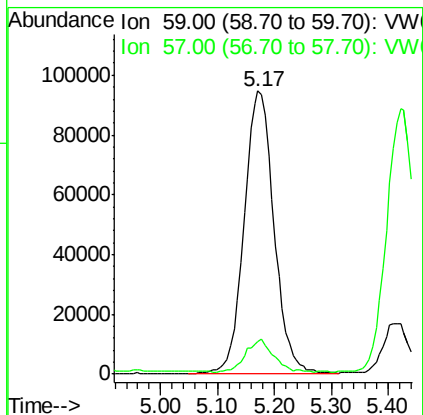
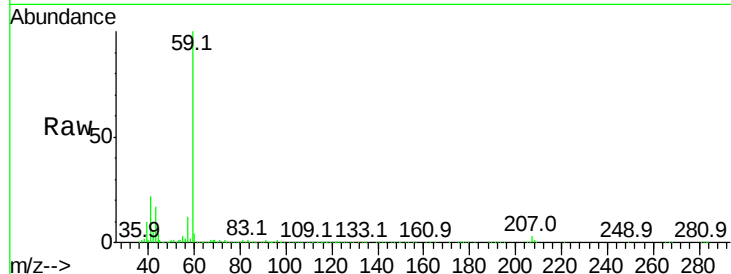


#11

Tert butyl alcohol
 Concen: 886.962 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

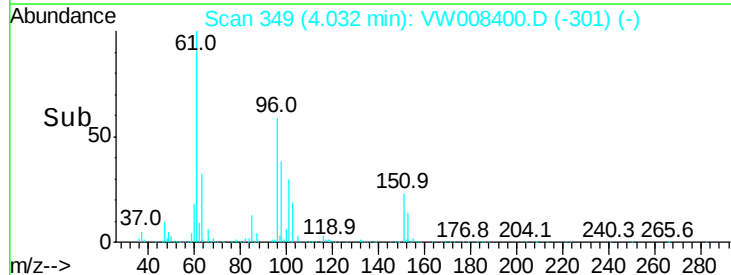
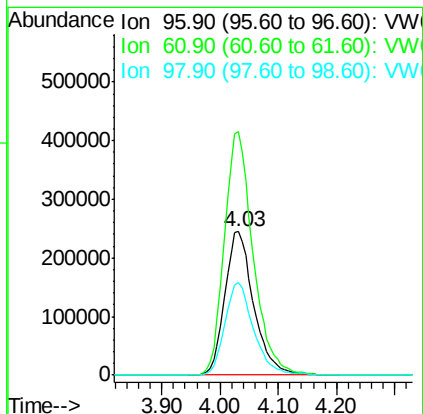
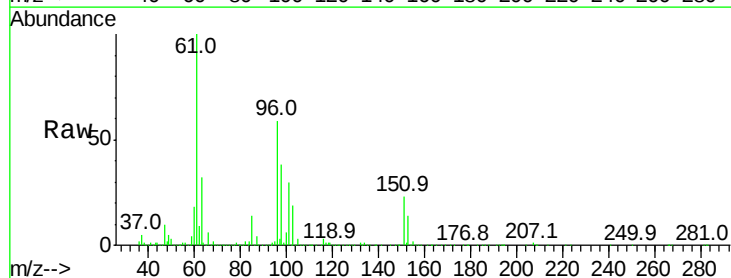
Tgt Ion: 59 Resp: 344821
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

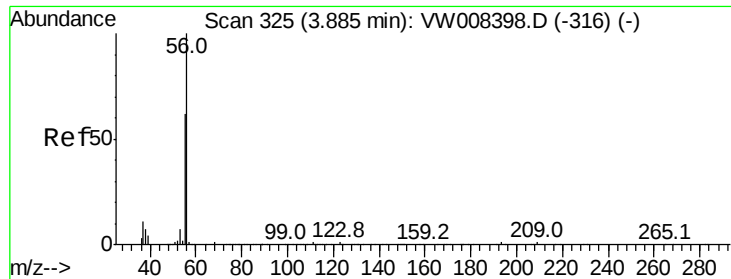


#12

1,1-Dichloroethene
 Concen: 146.686 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. -0.01 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion: 96 Resp: 835443
 Ion Ratio Lower Upper
 96 100
 61 170.0 129.5 194.3
 98 64.1 48.6 73.0





#13

Acrolein

Concen: 834.597 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

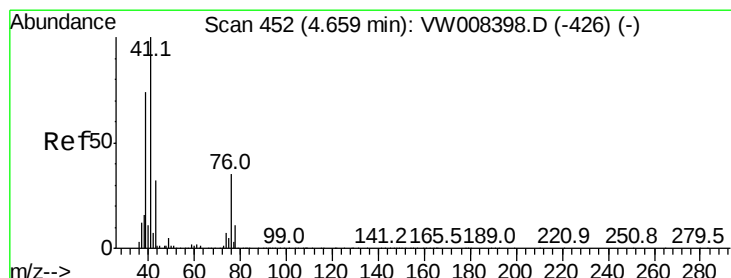
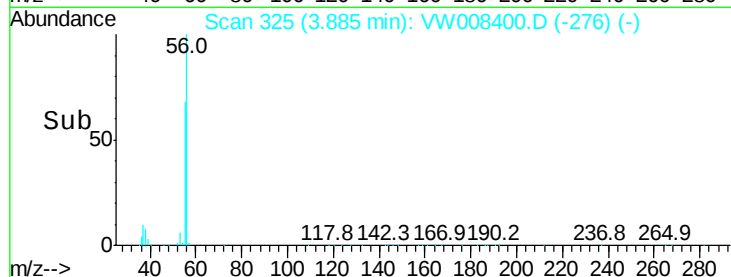
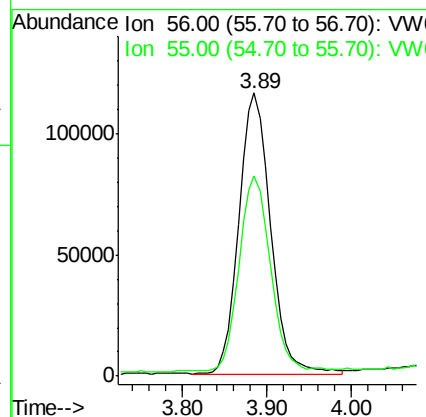
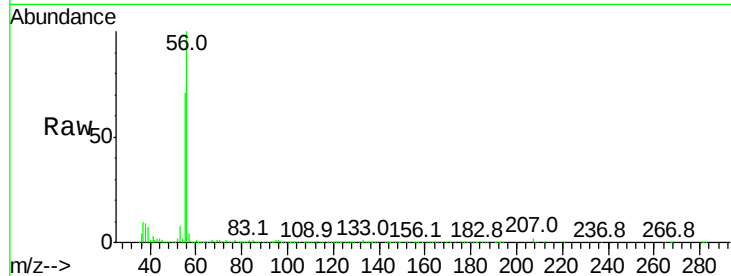
VSTDIC150

Tgt Ion: 56 Resp: 294214

Ion Ratio Lower Upper

56 100

55 67.4 56.7 85.1



#14

Allyl chloride

Concen: 173.865 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

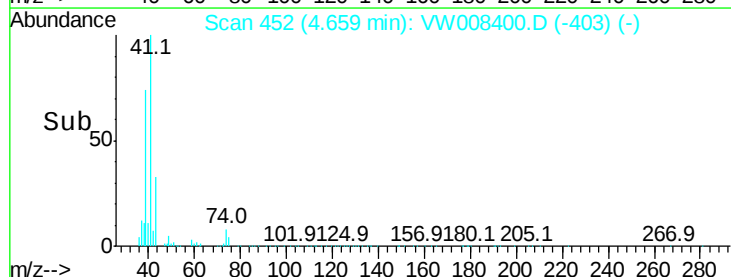
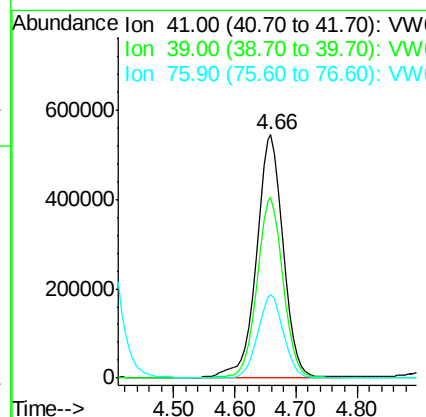
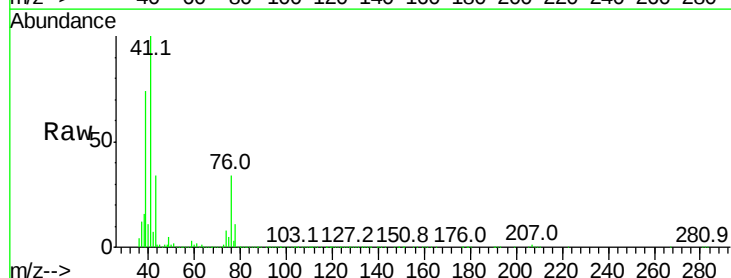
Tgt Ion: 41 Resp: 1655449

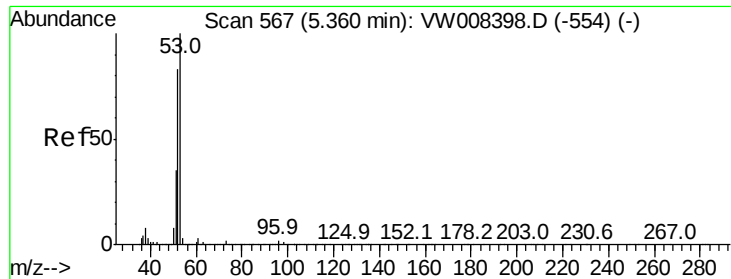
Ion Ratio Lower Upper

41 100

39 72.6 57.7 86.5

76 33.1 26.9 40.3





#15

Acrylonitrile

Concen: 809.220 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

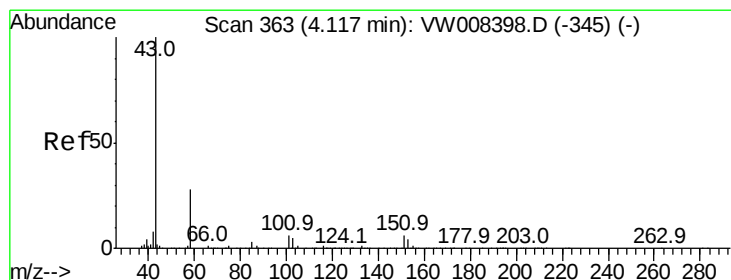
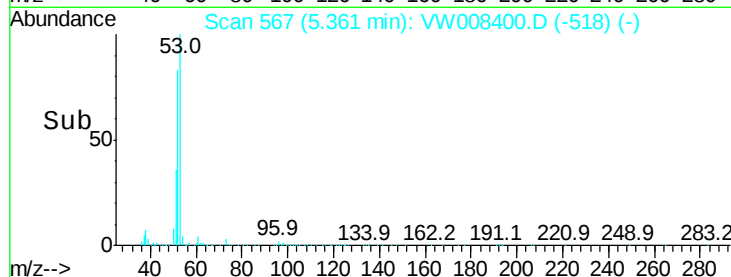
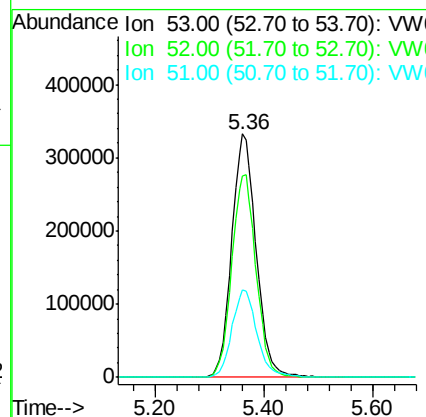
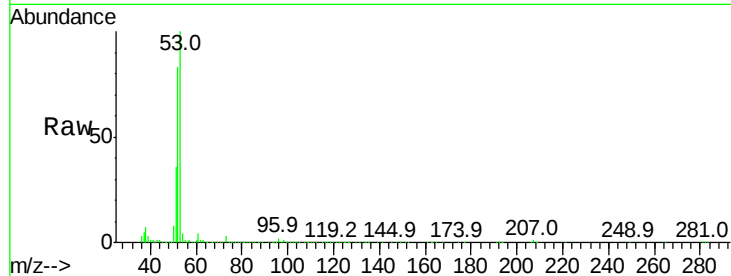
Tgt Ion: 53 Resp: 1036804

Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.0	100.4
51	36.8	29.8	44.8

53 100

52 82.9 67.0 100.4

51 36.8 29.8 44.8



#16

Acetone

Concen: 721.310 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008400.D

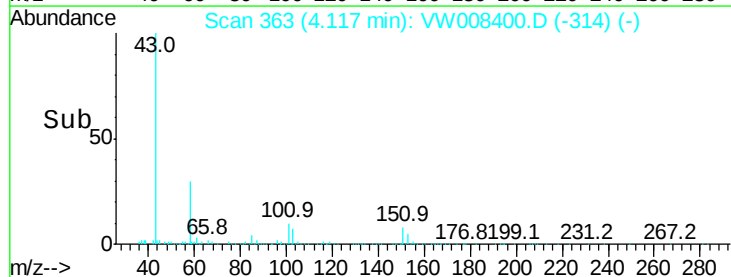
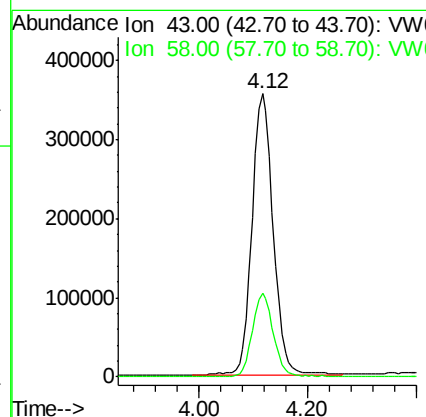
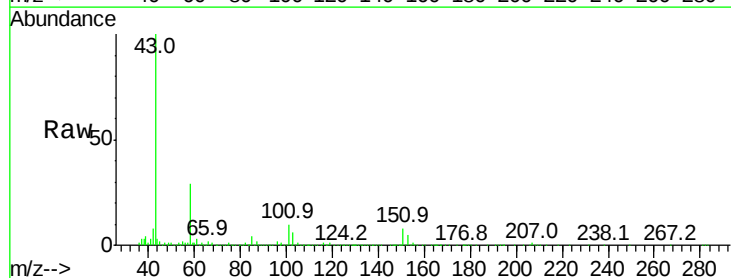
Acq: 24 Jan 2019 16:59

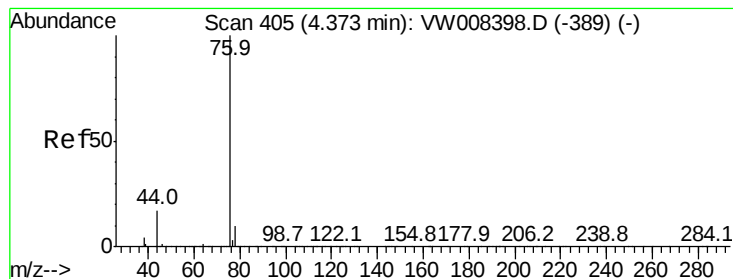
Tgt Ion: 43 Resp: 967230

Ion	Ratio	Lower	Upper
43	100		
58	29.4	22.6	34.0

43 100

58 29.4 22.6 34.0





#17

Carbon Disulfide

Concen: 156.265 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

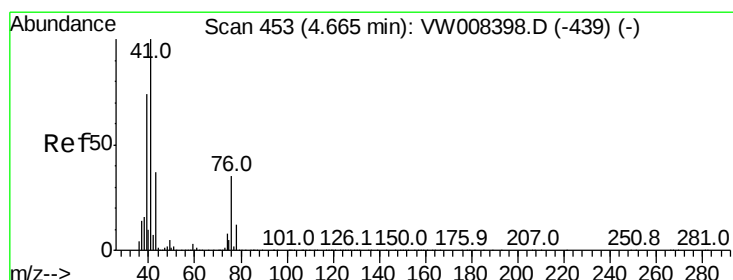
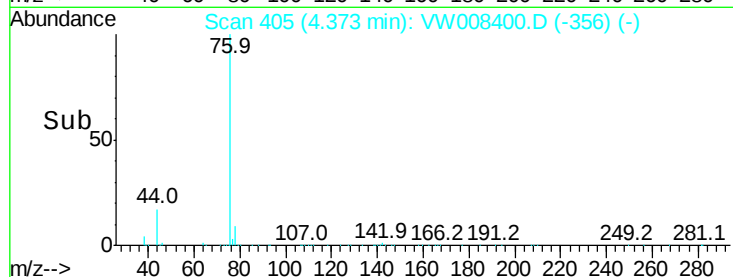
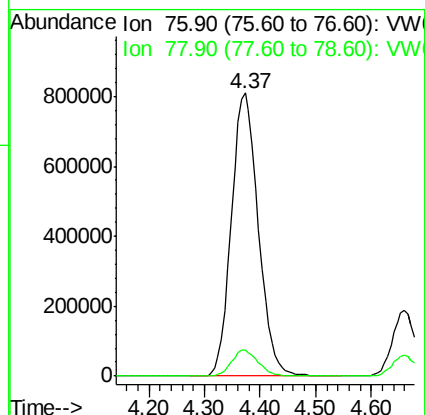
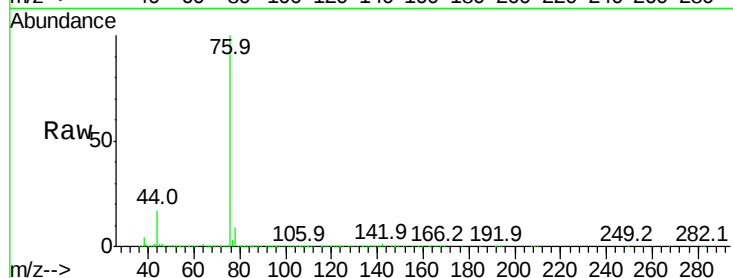
VSTDIC150

Tgt Ion: 76 Resp: 2708173

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



#18

Methyl Acetate

Concen: 155.148 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008400.D

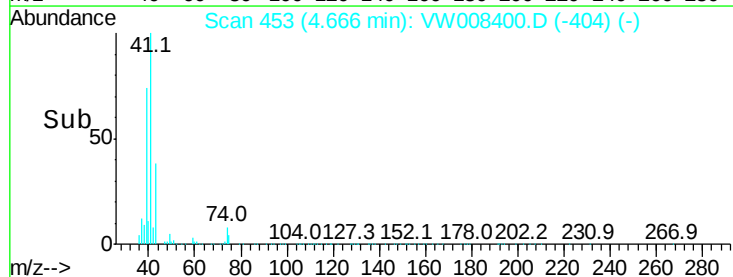
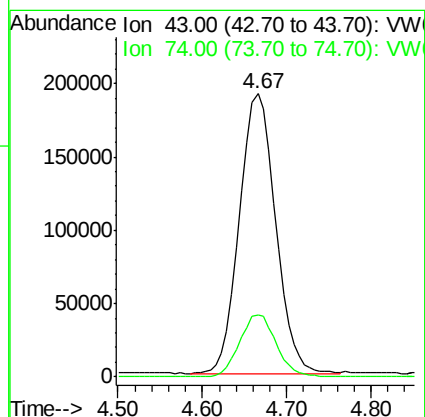
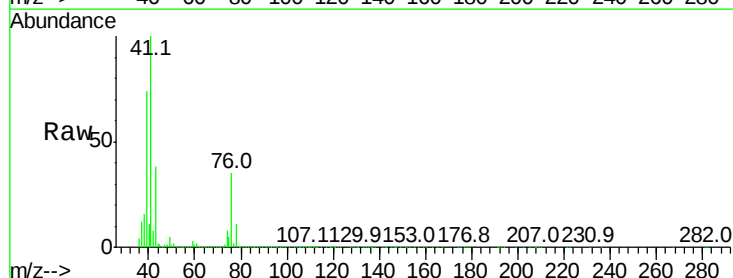
Acq: 24 Jan 2019 16:59

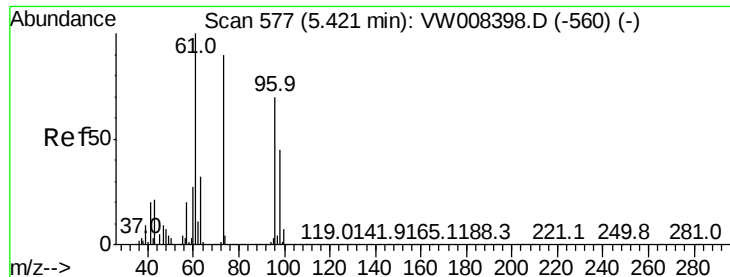
Tgt Ion: 43 Resp: 555735

Ion Ratio Lower Upper

43 100

74 22.5 17.5 26.3



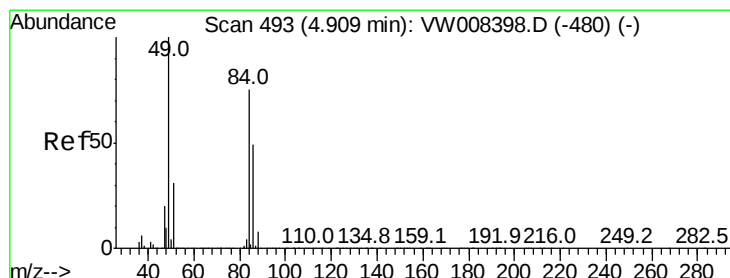
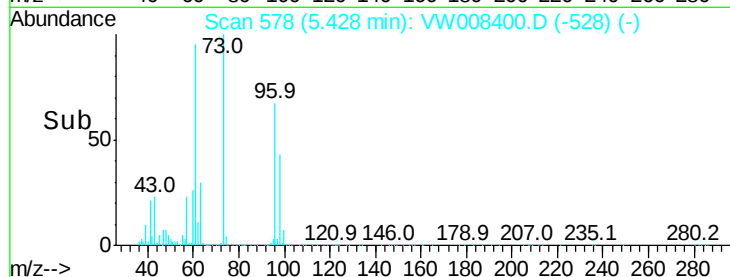
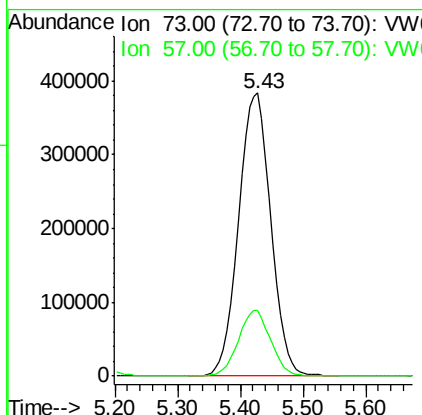
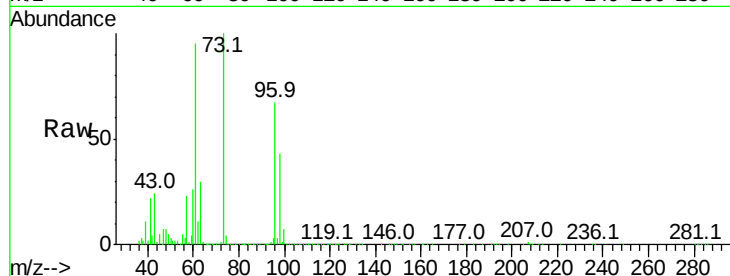


#19

Methyl tert-butyl Ether
 Concen: 155.015 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

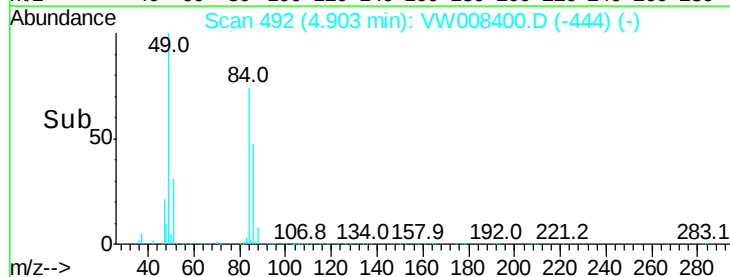
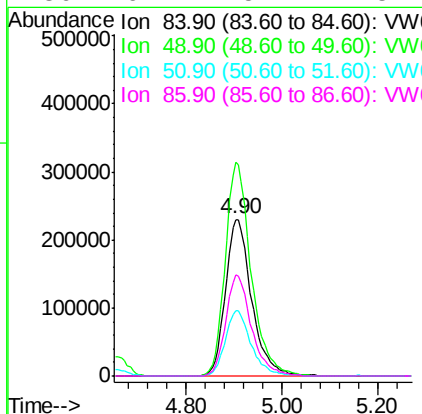
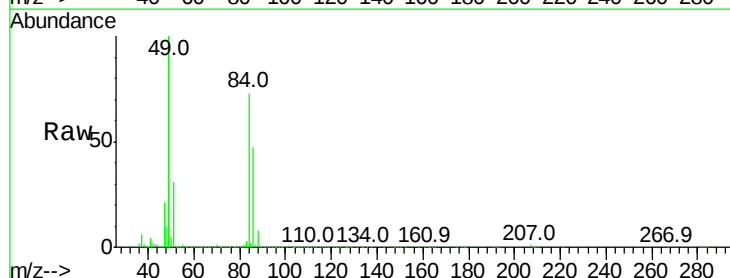
Tgt Ion: 73 Resp: 1351507
 Ion Ratio Lower Upper
 73 100
 57 22.9 18.0 27.0

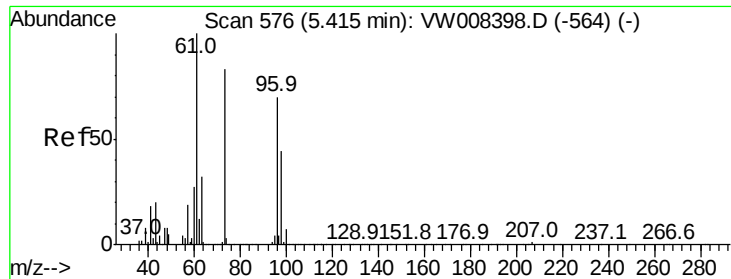


#20

Methylene Chloride
 Concen: 121.501 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion: 84 Resp: 865165
 Ion Ratio Lower Upper
 84 100
 49 136.4 106.8 160.2
 51 41.9 32.9 49.3
 86 64.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 149.582 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

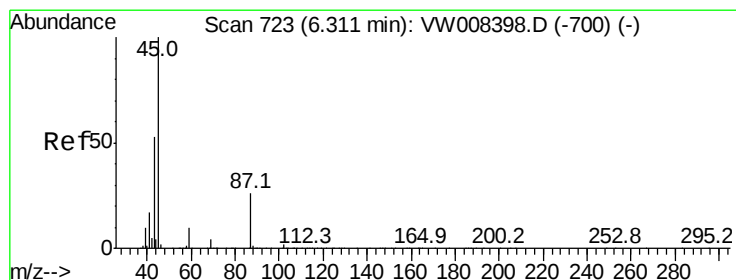
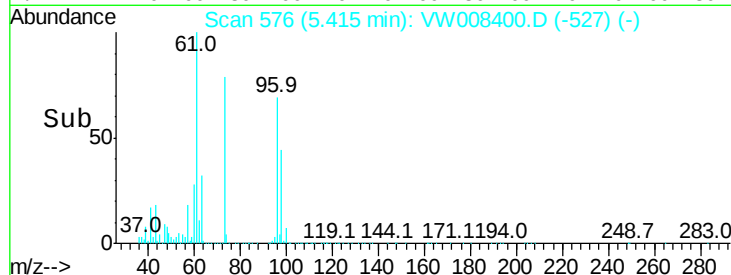
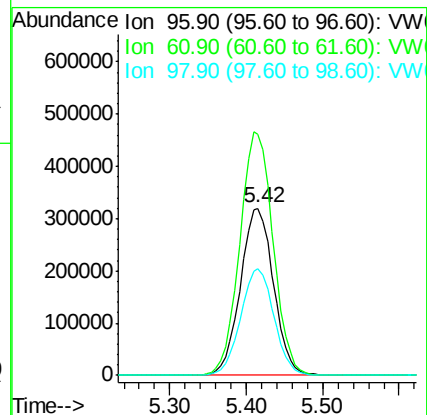
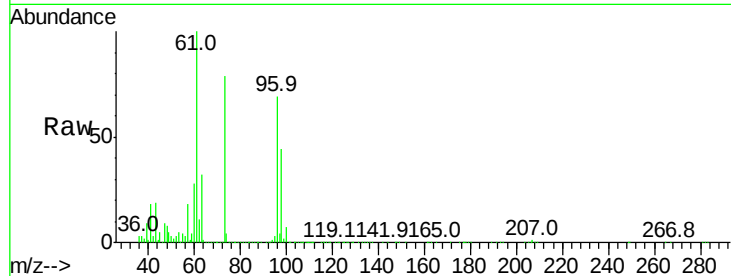
Tgt Ion: 96 Resp: 956850

Ion Ratio Lower Upper

96 100

61 144.6 114.4 171.6

98 63.4 50.6 75.8



#22

Diisopropyl ether

Concen: 171.644 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Tgt Ion: 45 Resp: 3190715

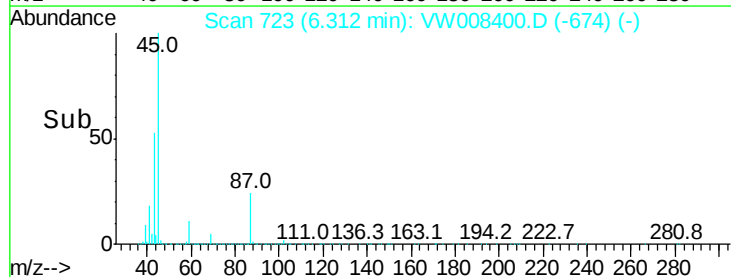
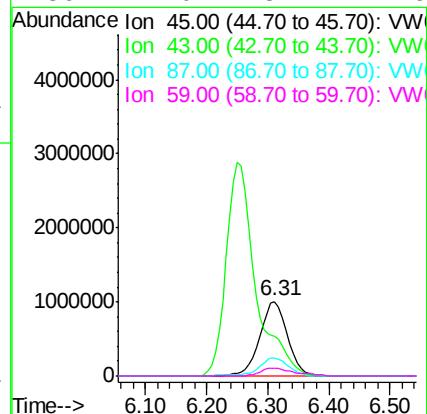
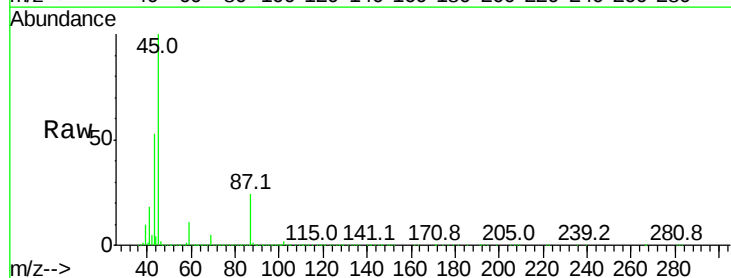
Ion Ratio Lower Upper

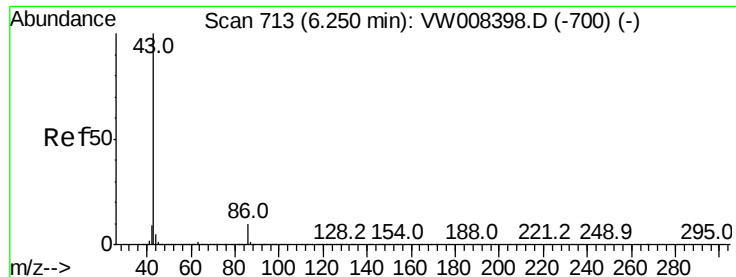
45 100

43 52.8 42.6 63.8

87 24.3 20.3 30.5

59 11.0 8.4 12.6





#23

Vinyl Acetate

Concen: 964.677 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

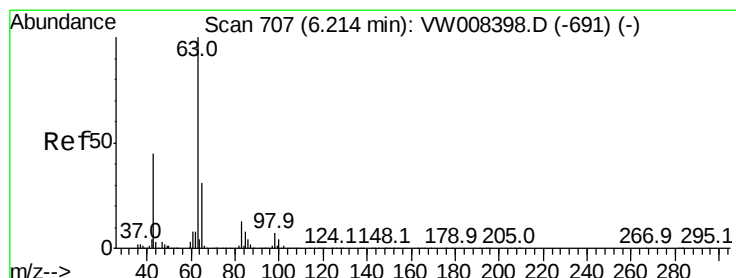
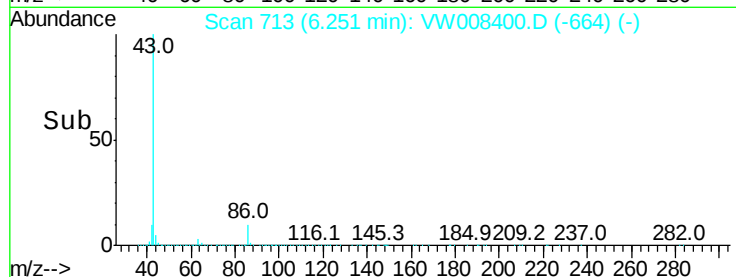
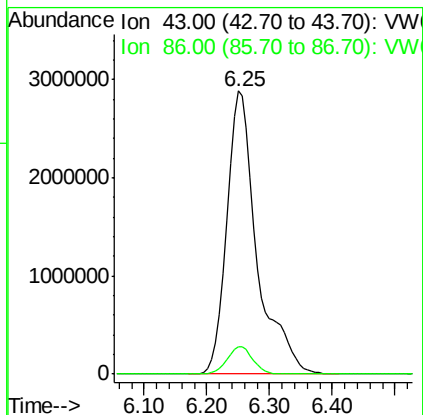
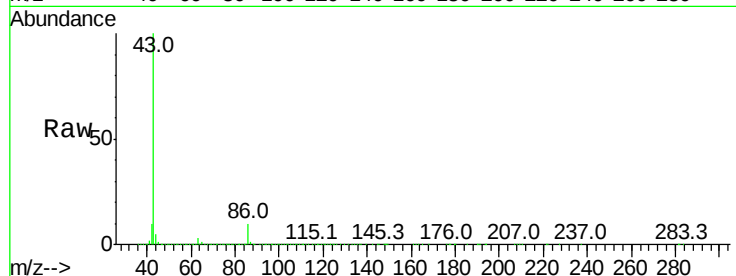
VSTDIC150

Tgt Ion: 43 Resp: 9585687

Ion Ratio Lower Upper

43 100

86 9.7 7.8 11.8



#24

1,1-Dichloroethane

Concen: 156.775 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

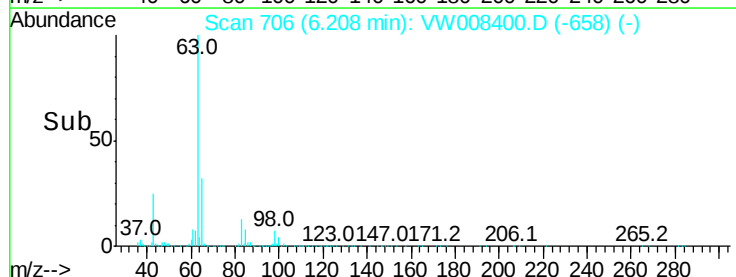
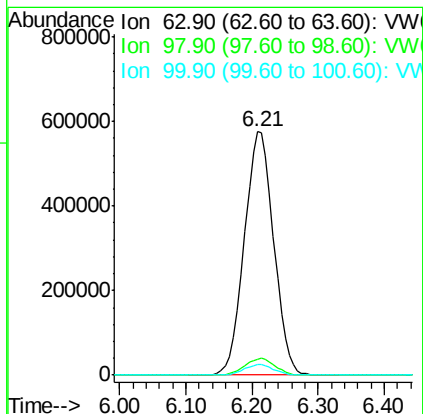
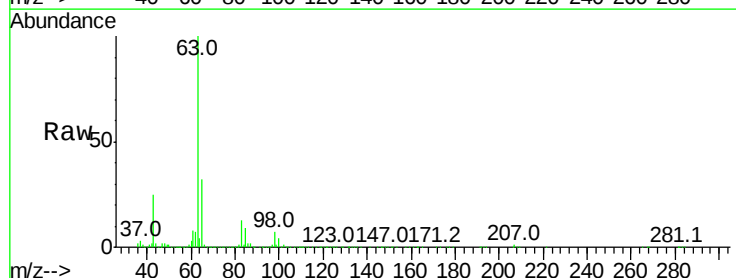
Tgt Ion: 63 Resp: 1774461

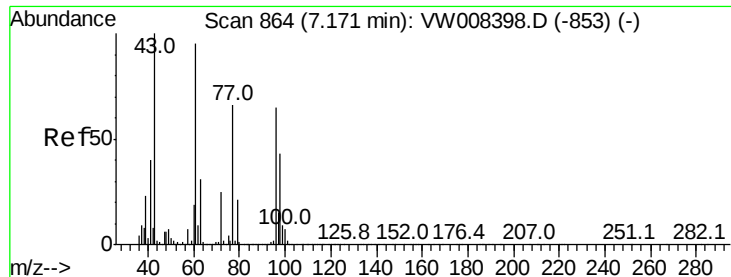
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.2 2.1 6.2

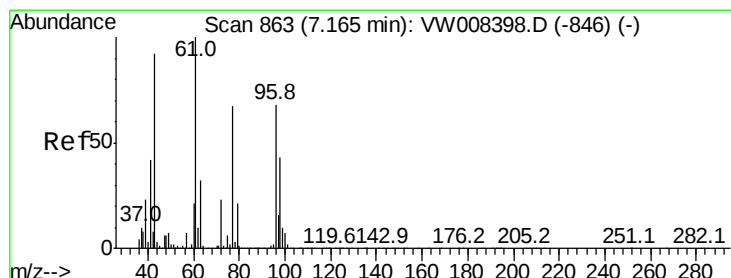
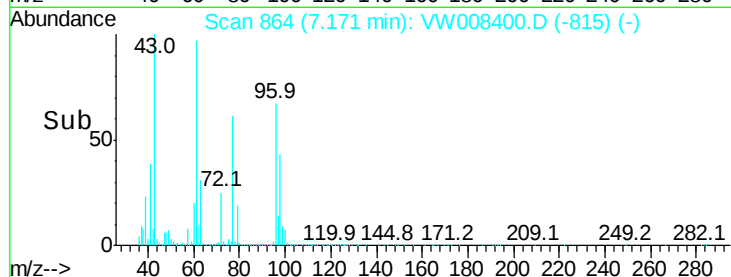
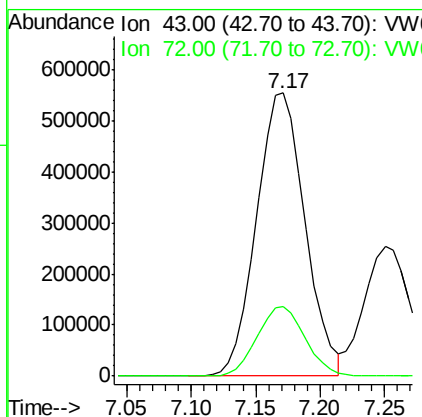
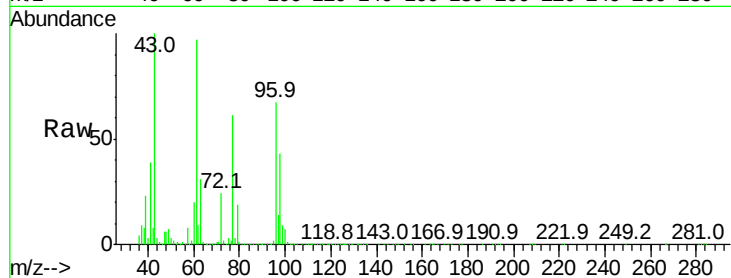




#25
2-Butanone
Concen: 836.519 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

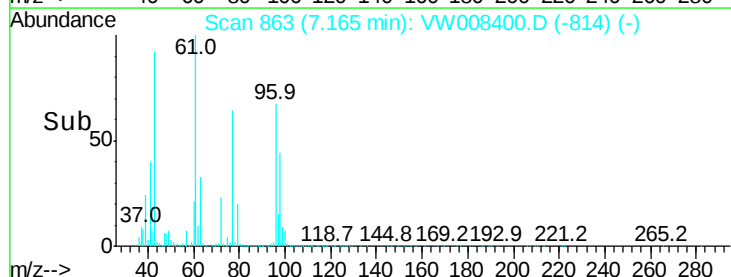
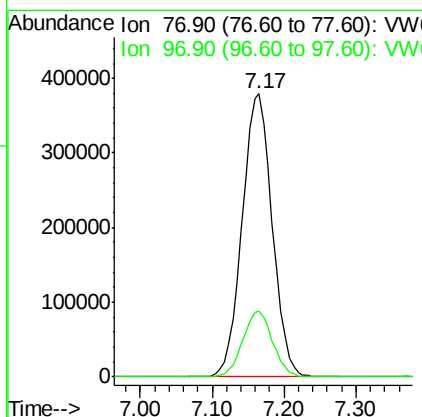
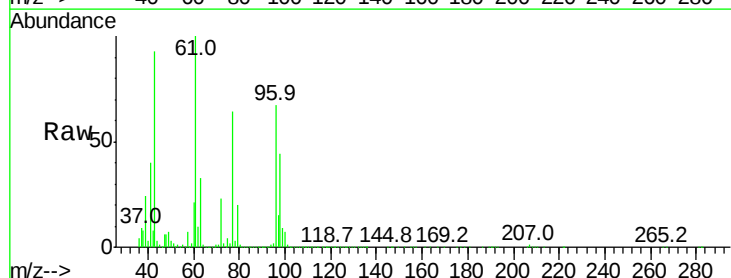
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

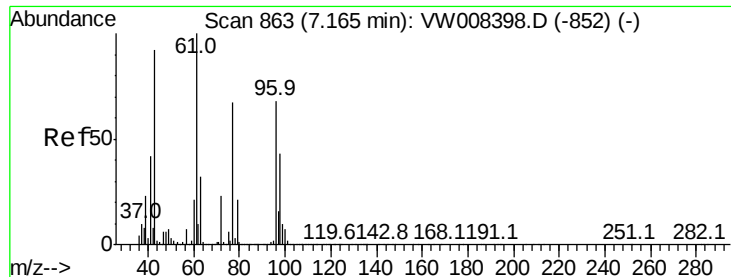
Tgt Ion: 43 Resp: 1436702
Ion Ratio Lower Upper
43 100
72 24.5 20.1 30.1



#26
2,2-Dichloropropane
Concen: 151.182 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 77 Resp: 1091991
Ion Ratio Lower Upper
77 100
97 22.9 11.5 34.5



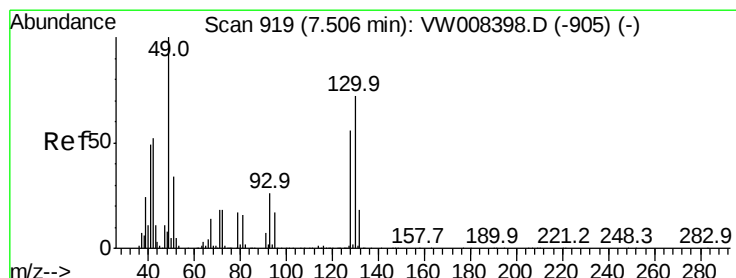
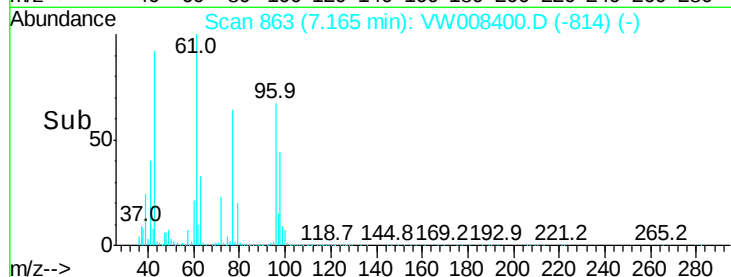
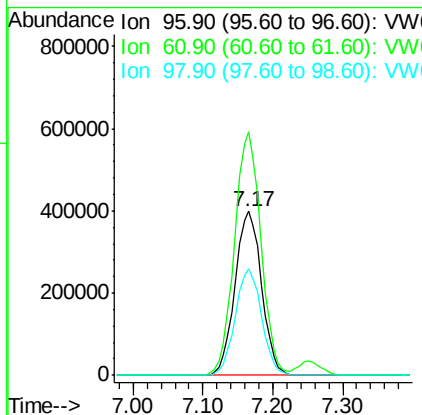
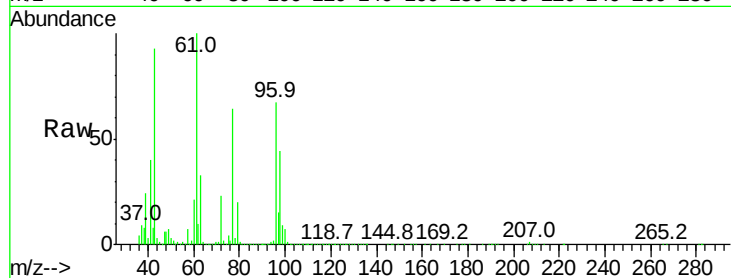


#27

cis-1,2-Dichloroethene
 Concen: 151.160 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

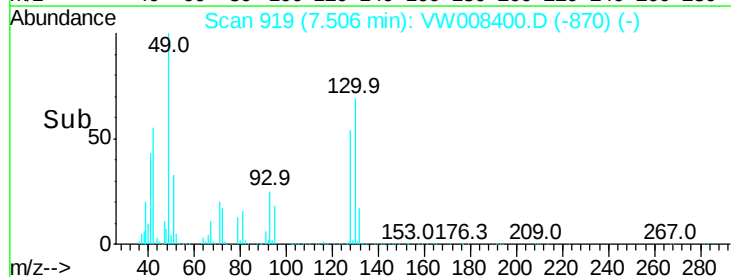
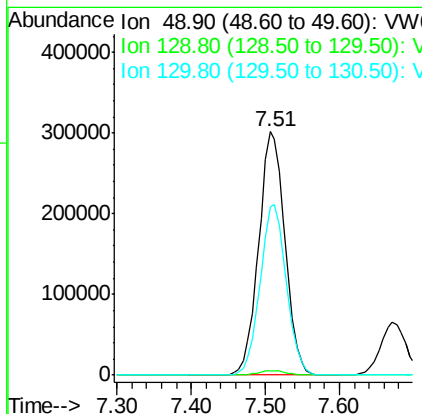
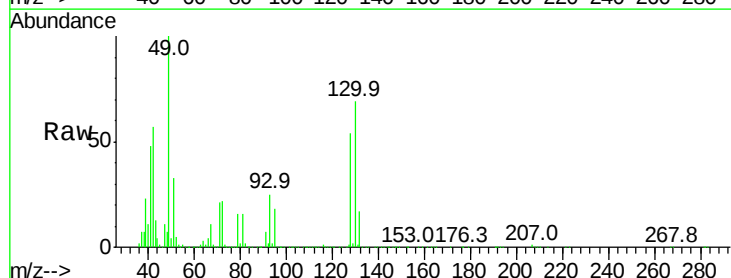
Tgt Ion: 96 Resp: 1047632
 Ion Ratio Lower Upper
 96 100
 61 148.1 0.0 292.8
 98 64.7 0.0 129.2

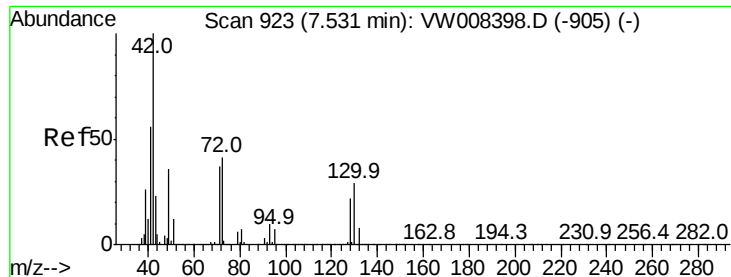


#28

Bromochloromethane
 Concen: 159.828 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion: 49 Resp: 745302
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.6
 130 69.9 58.6 87.8

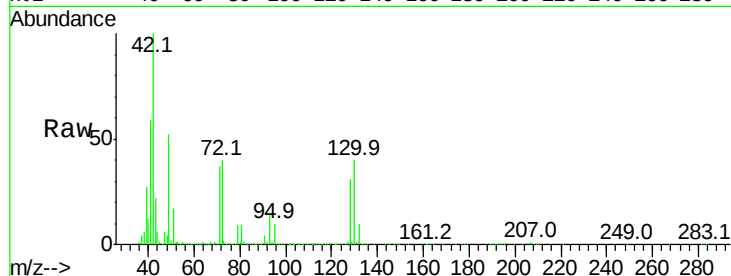




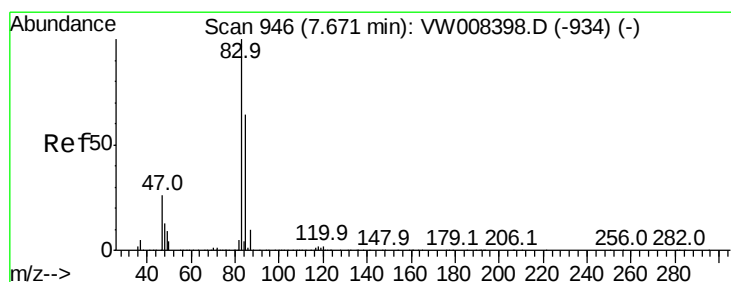
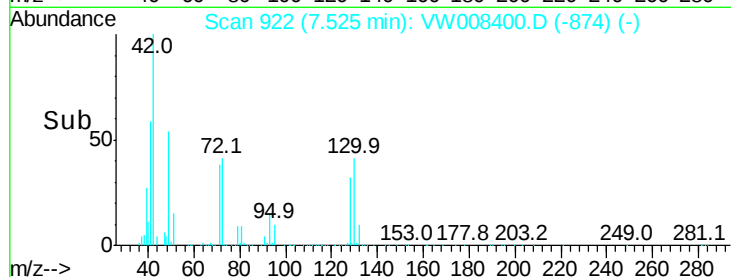
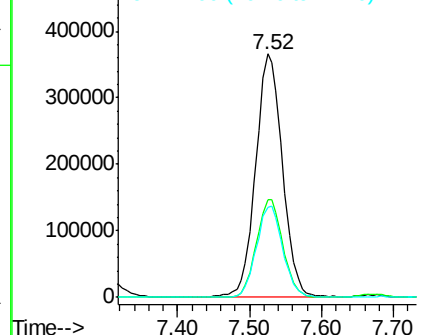
#29
Tetrahydrofuran
Concen: 879.225 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.6	31.9	47.9
71	37.0	29.9	44.9

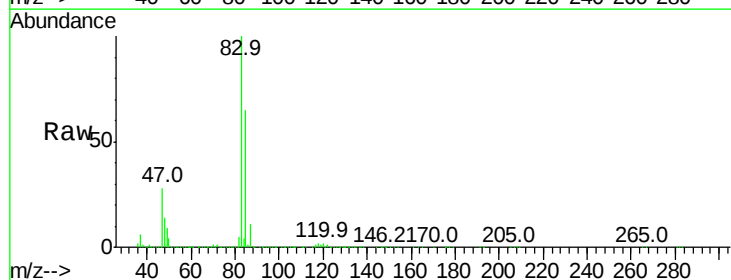


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

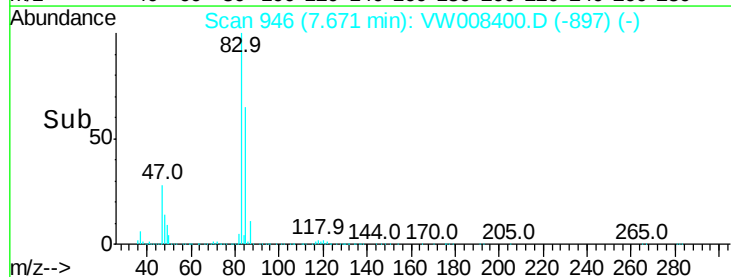
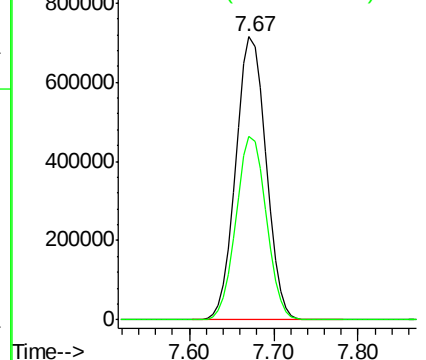


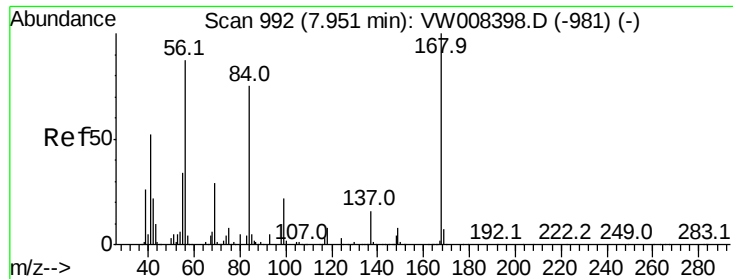
#30
Chloroform
Concen: 154.693 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3



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

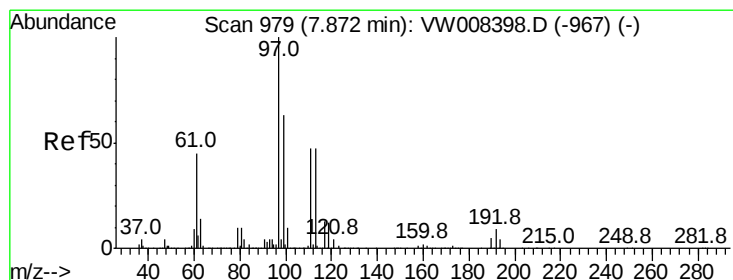
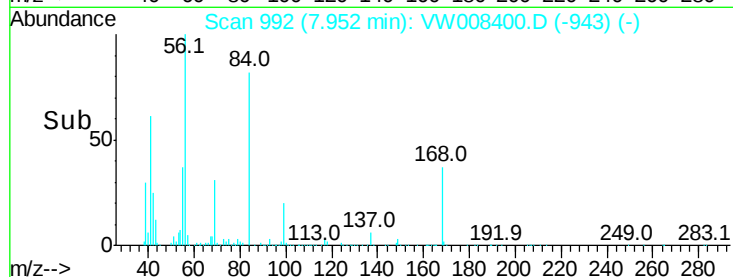
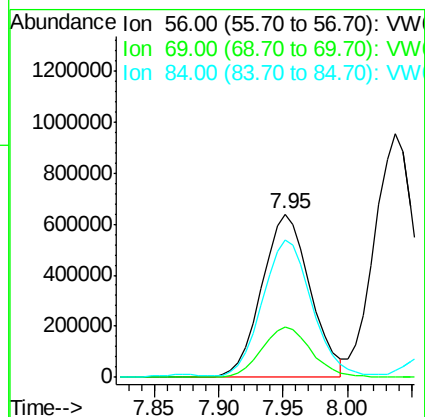
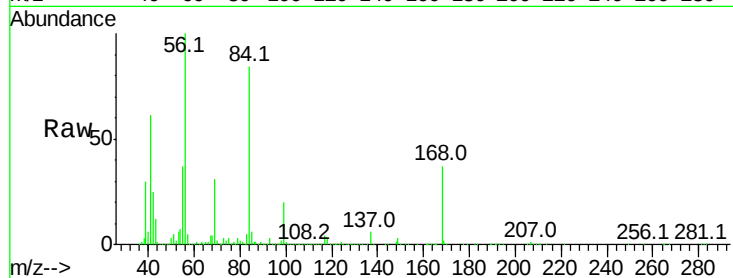




#31
Cyclohexane
Concen: 154.449 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

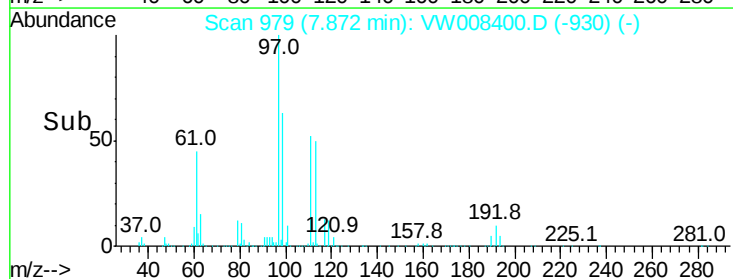
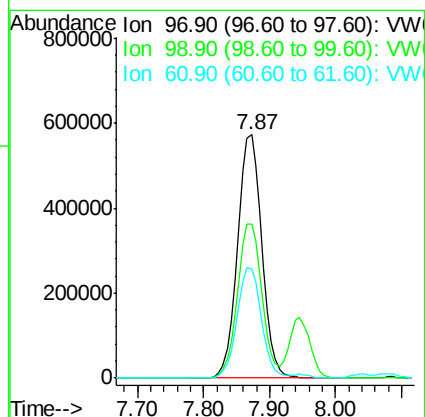
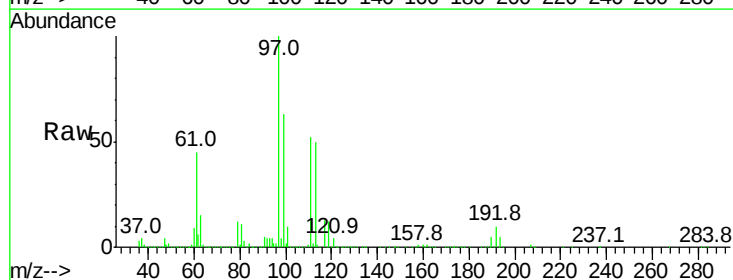
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

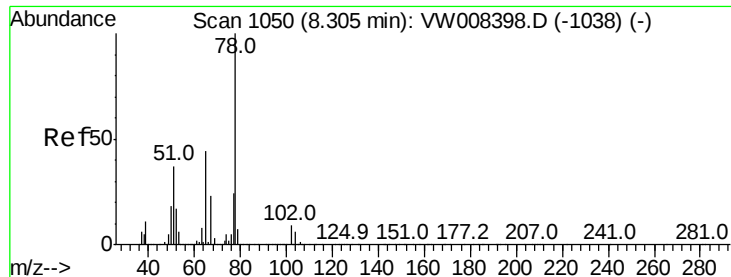
Tgt Ion: 56 Resp: 1665595
Ion Ratio Lower Upper
56 100
69 31.0 26.4 39.6
84 82.8 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 154.824 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 97 Resp: 1455111
Ion Ratio Lower Upper
97 100
99 64.1 51.3 76.9
61 45.6 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 155.980 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

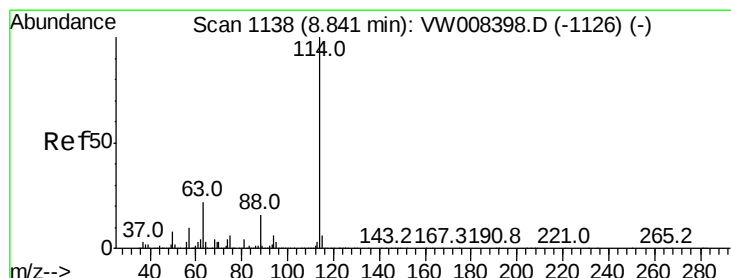
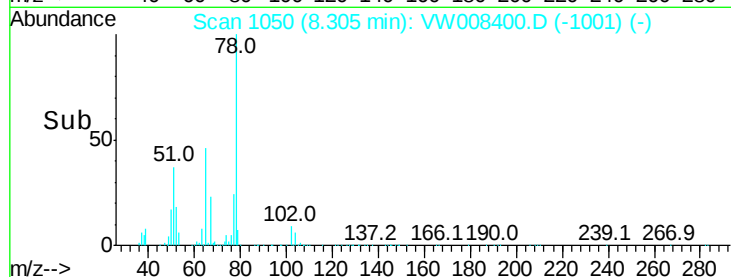
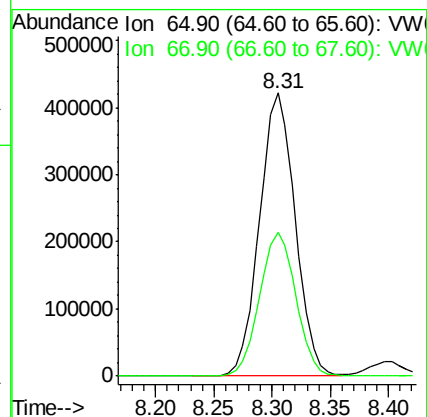
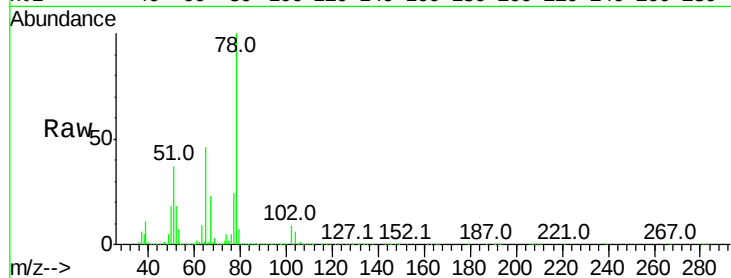
VSTDIC150

Tgt Ion: 65 Resp: 900629

Ion Ratio Lower Upper

65 100

67 51.6 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: VW008400.D

Acq: 24 Jan 2019 16:59

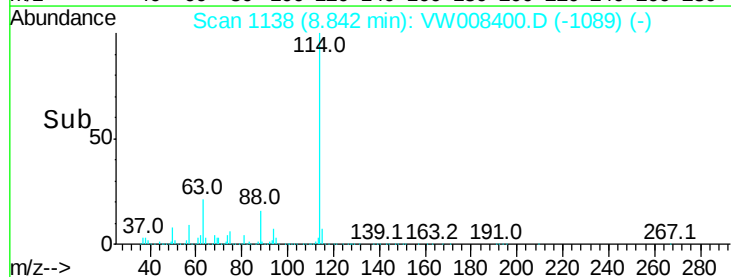
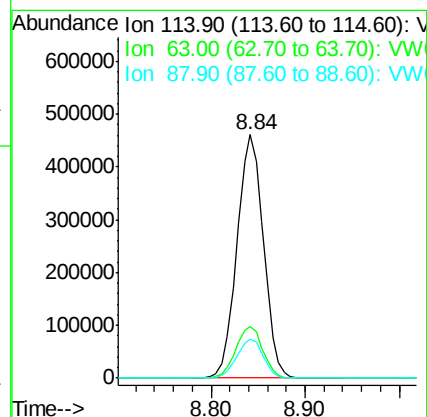
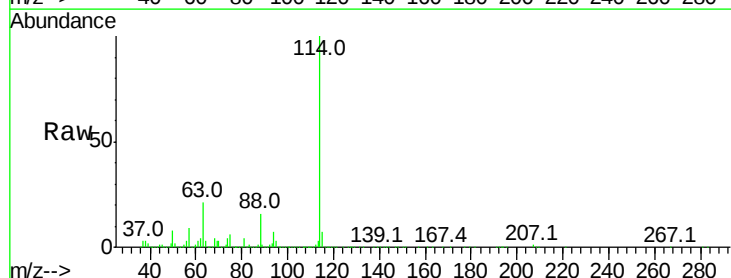
Tgt Ion: 114 Resp: 897662

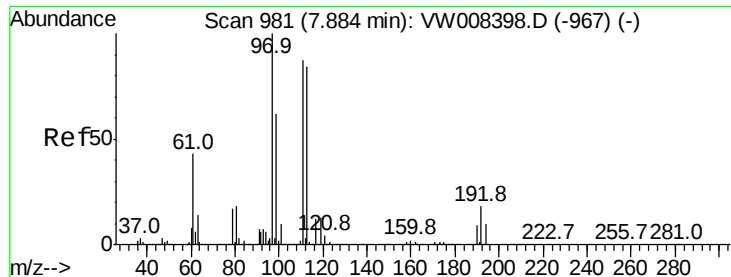
Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.6

88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 144.957 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

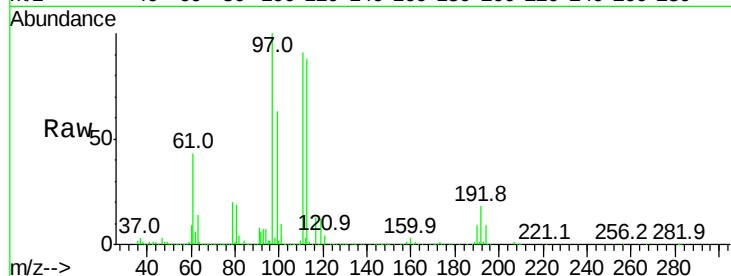
Tgt Ion:113 Resp: 830618

Ion Ratio Lower Upper

113 100

111 102.6 81.0 121.4

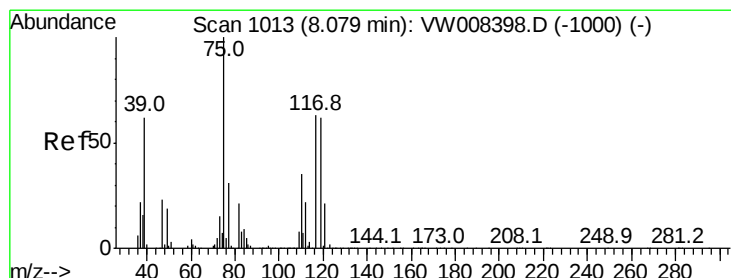
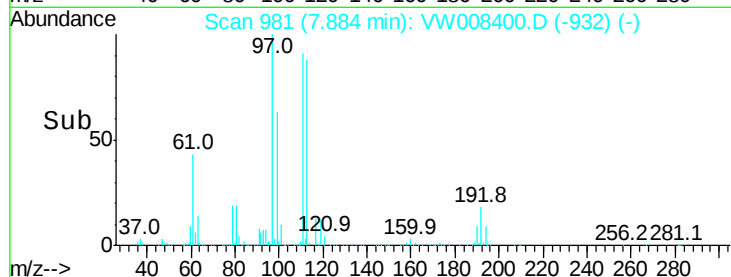
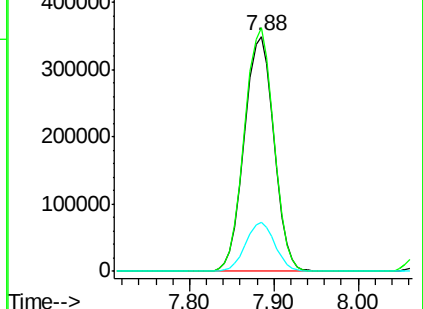
192 20.5 16.8 25.2



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: 156.151 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

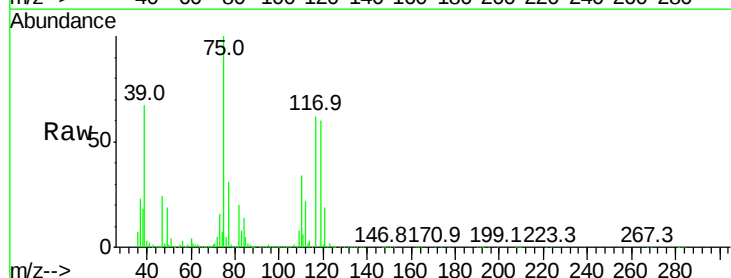
Tgt Ion: 75 Resp: 1410237

Ion Ratio Lower Upper

75 100

110 34.4 17.3 52.0

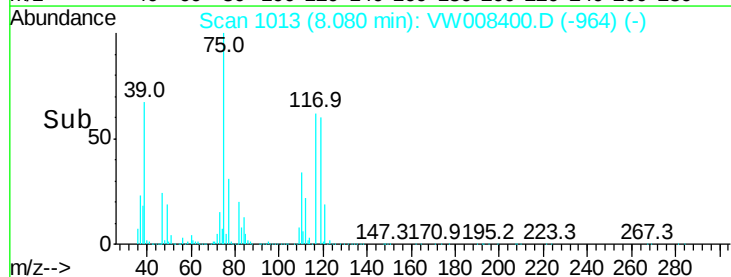
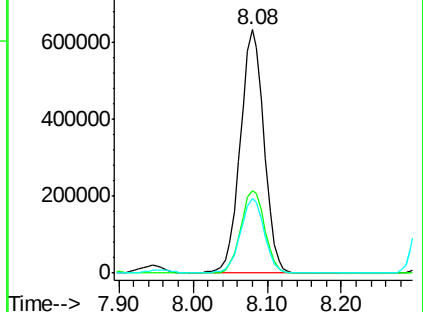
77 30.8 24.7 37.1

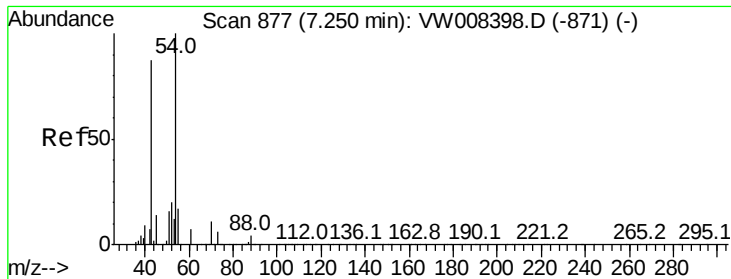


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

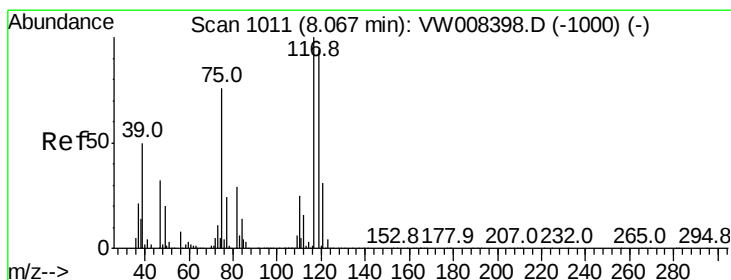
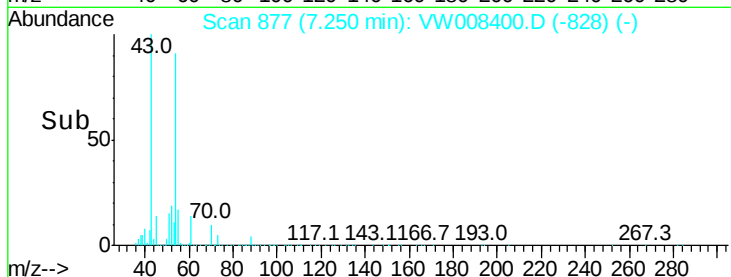
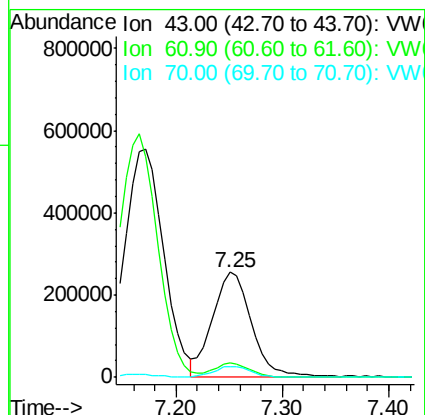
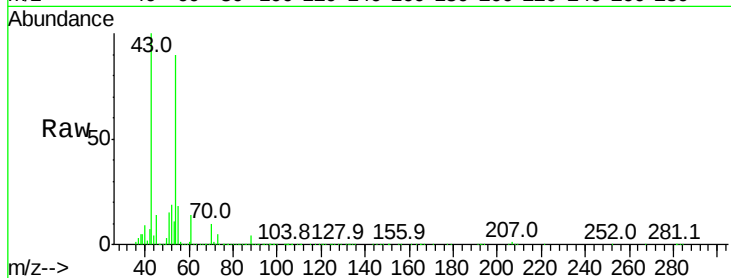




#37
Ethyl Acetate
Concen: 170.825 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

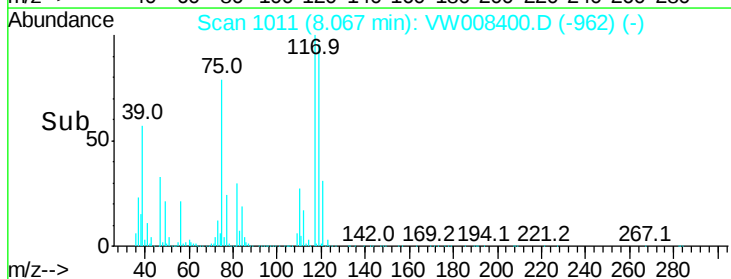
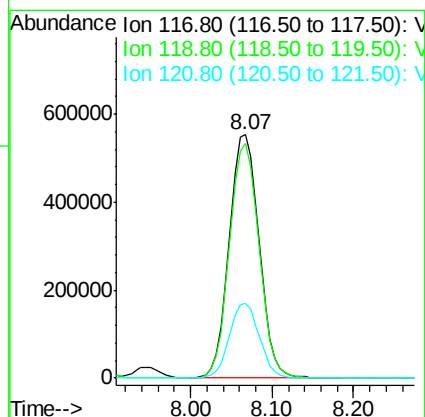
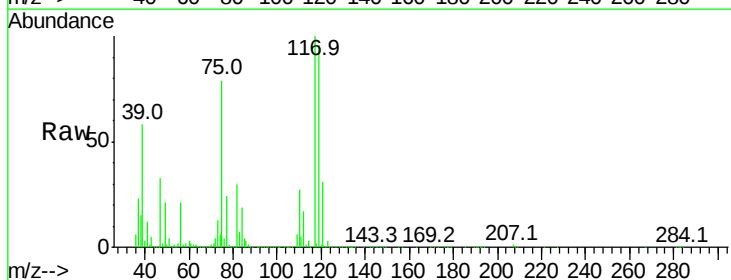
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

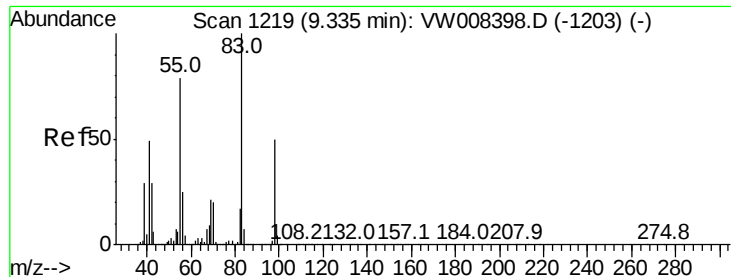
Tgt Ion: 43 Resp: 636198
Ion Ratio Lower Upper
43 100
61 12.8 10.1 15.1
70 9.8 7.8 11.6



#38
Carbon Tetrachloride
Concen: 157.032 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 117 Resp: 1400409
Ion Ratio Lower Upper
117 100
119 96.3 75.0 112.4
121 30.9 24.9 37.3

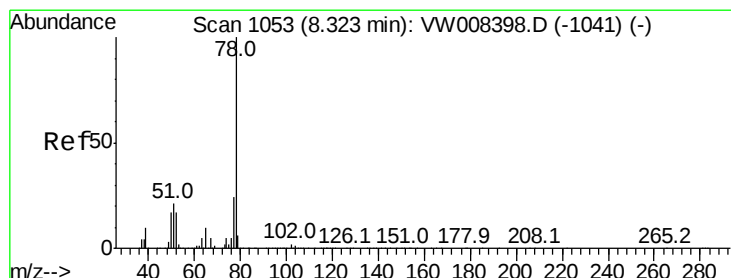
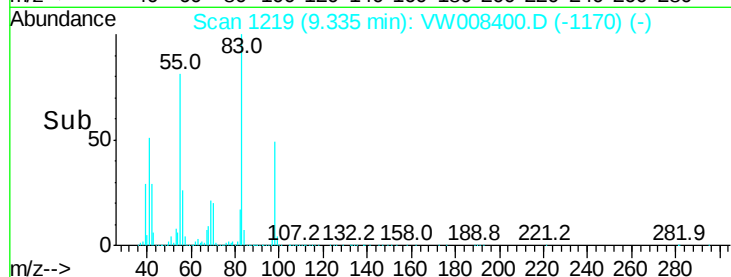
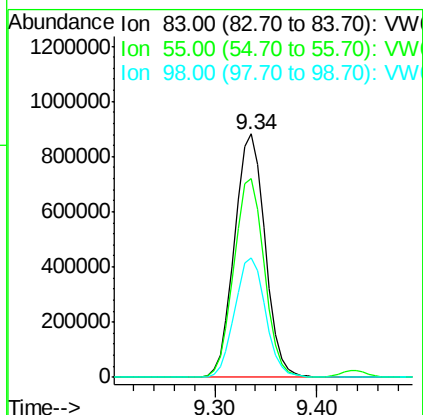
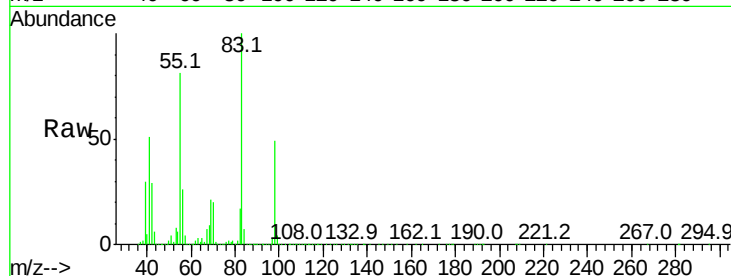




#39
Methylcyclohexane
Concen: 170.569 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

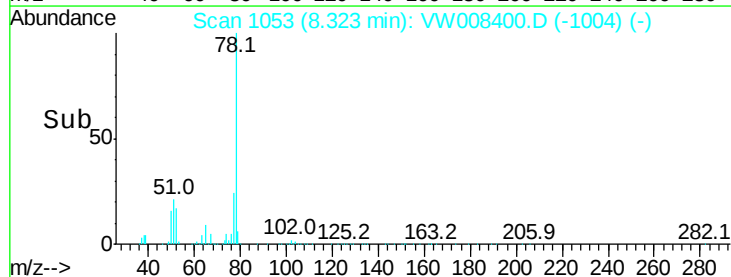
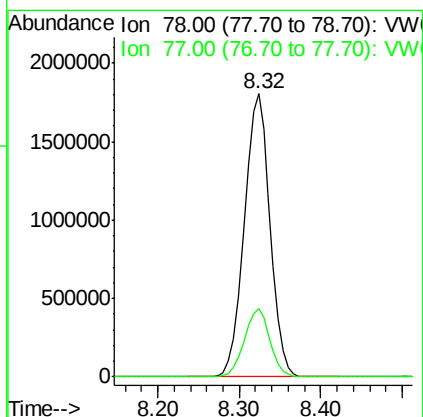
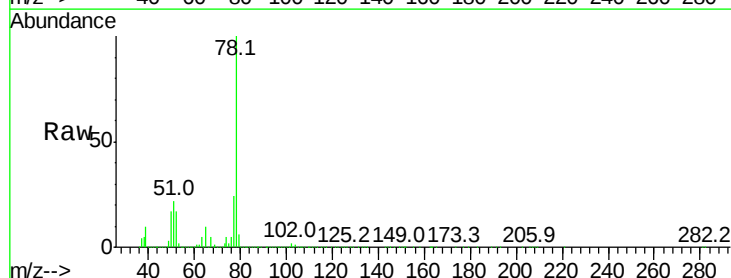
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

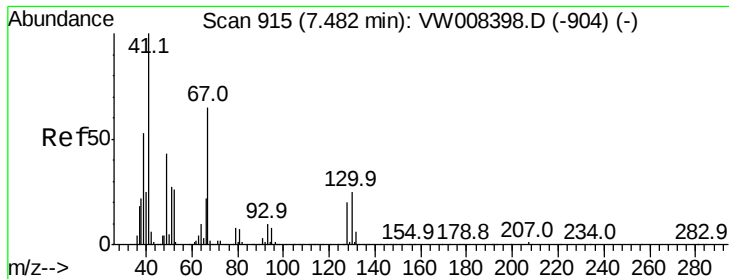
Tgt Ion: 83 Resp: 1832368
Ion Ratio Lower Upper
83 100
55 81.3 63.3 94.9
98 49.0 39.7 59.5



#40
Benzene
Concen: 153.799 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 78 Resp: 3934608
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6

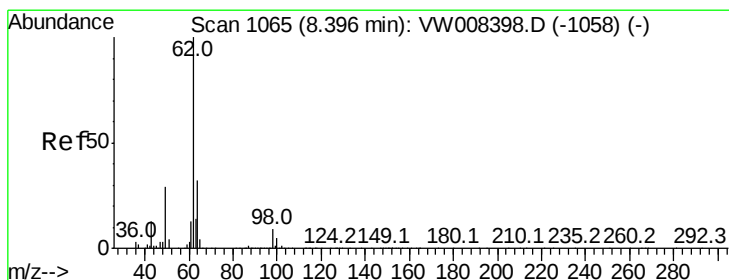
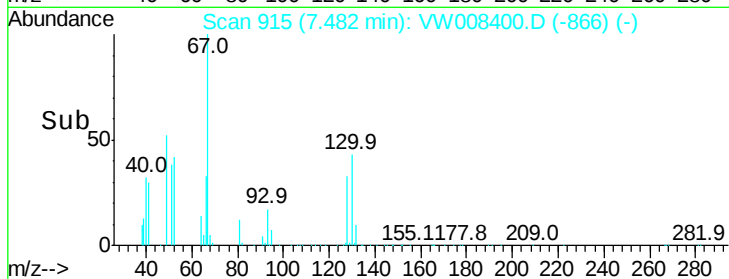
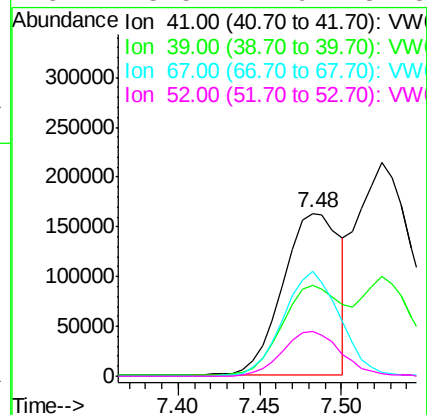
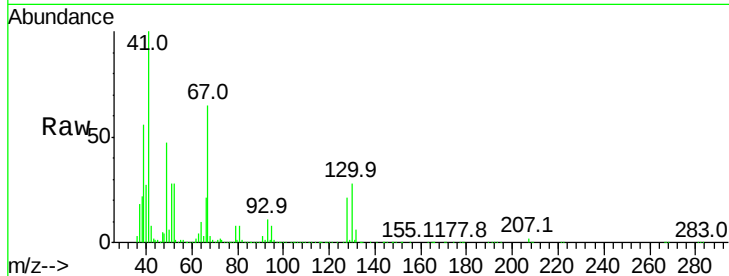




#41
Methacrylonitrile
Concen: 182.064 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

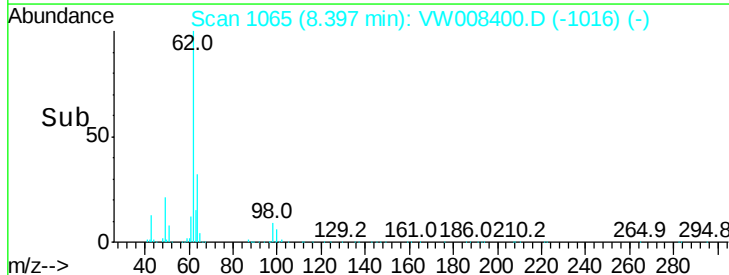
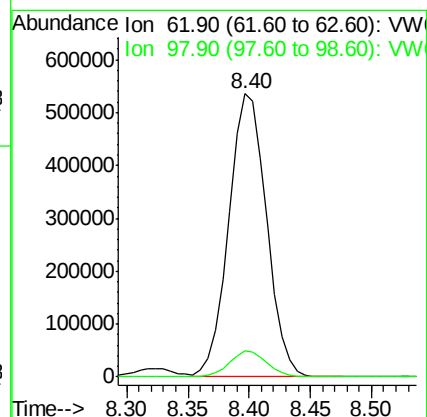
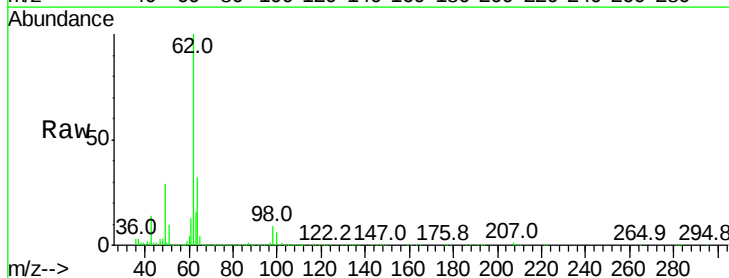
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

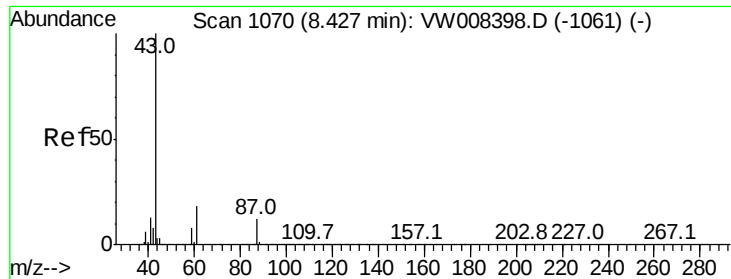
Tgt Ion:	41	Resp:	394721
Ion	Ratio	Lower	Upper
41	100		
39	61.3	43.4	65.0
67	64.3	54.2	81.2
52	28.5	22.9	34.3



#42
1,2-Dichloroethane
Concen: 160.037 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion:	62	Resp:	1144838
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.6





#43

Isopropyl Acetate

Concen: 187.782 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

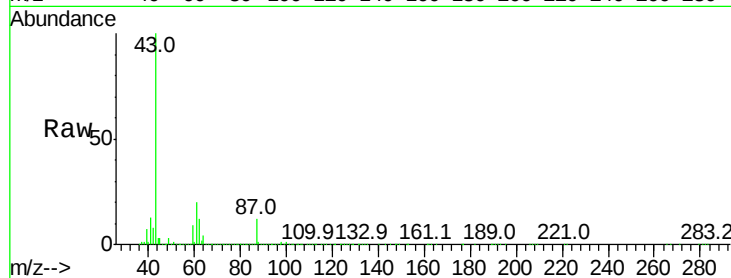
MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1321026

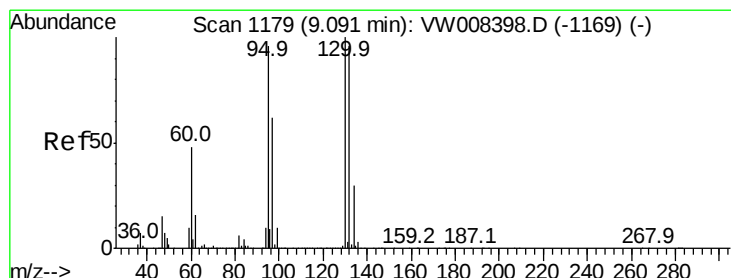
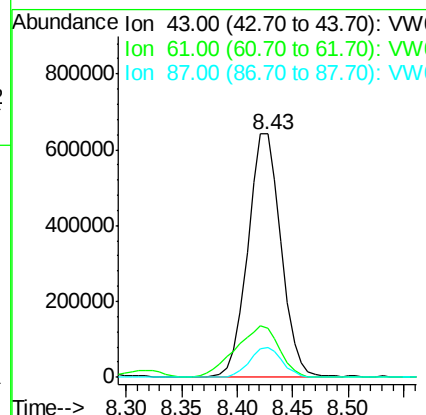
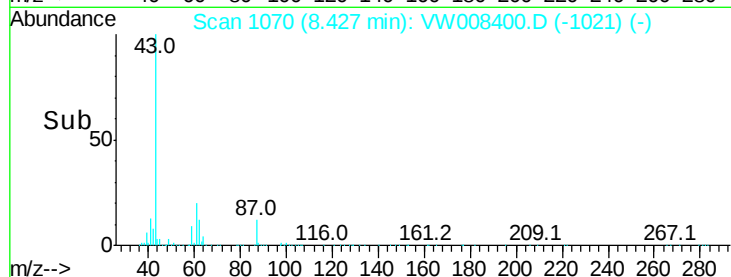
Ion	Ratio	Lower	Upper
43	100		
61	27.9	22.0	33.0
87	12.1	9.3	13.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 148.931 ug/l

RT: 9.09 min Scan# 1179

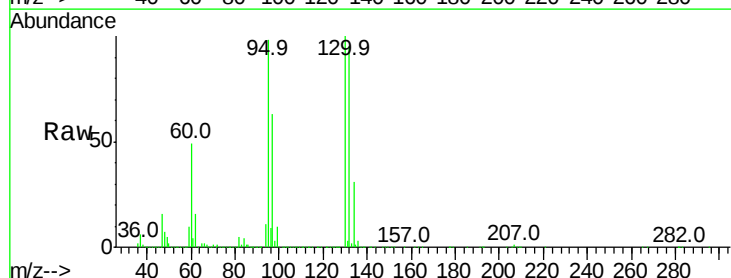
Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

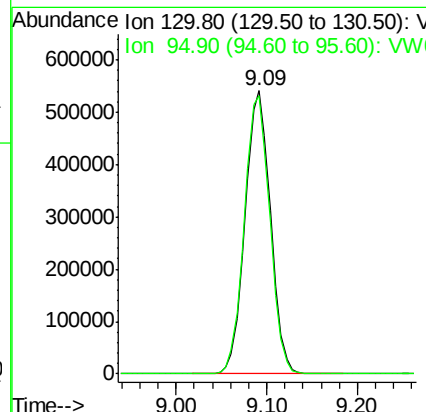
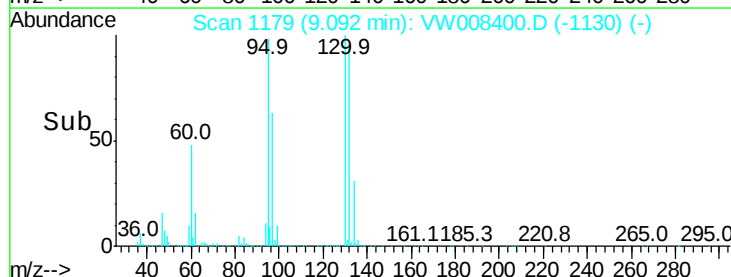
Tgt Ion:130 Resp: 1043845

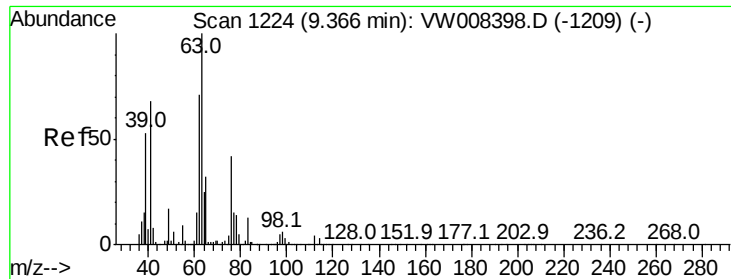
Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	191.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

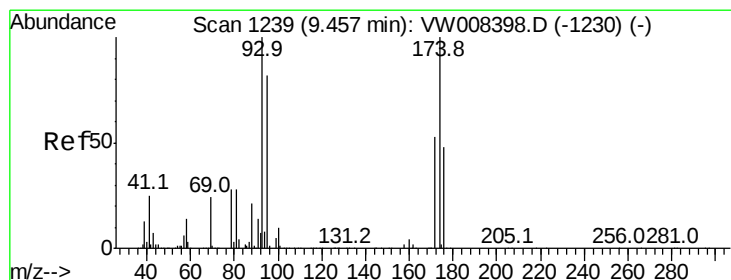
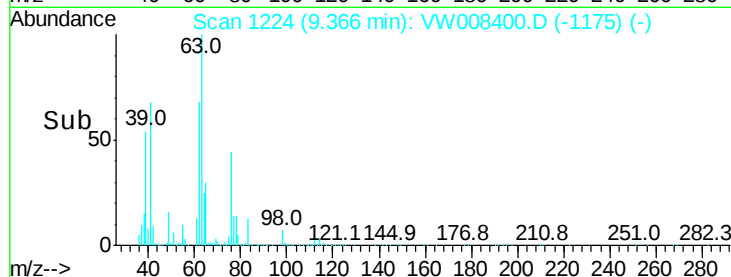
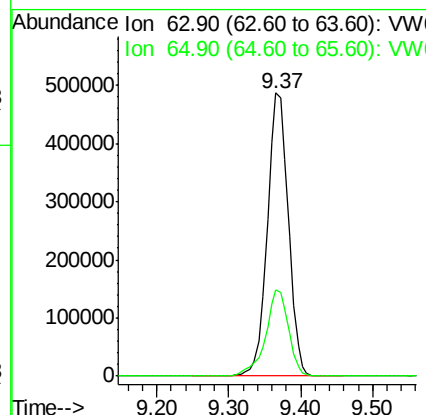
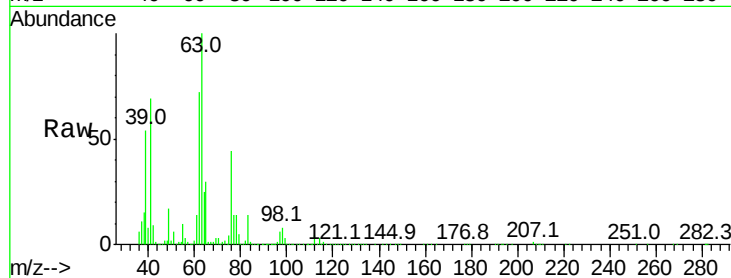




#45
 1,2-Dichloropropane
 Concen: 155.103 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

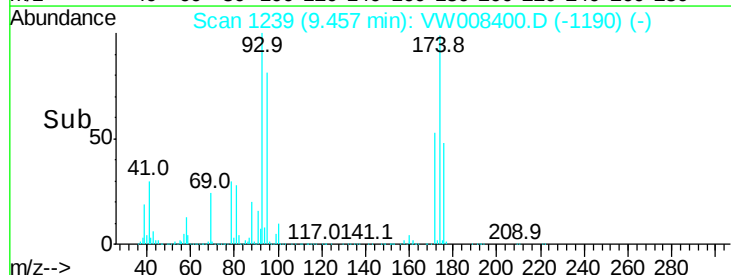
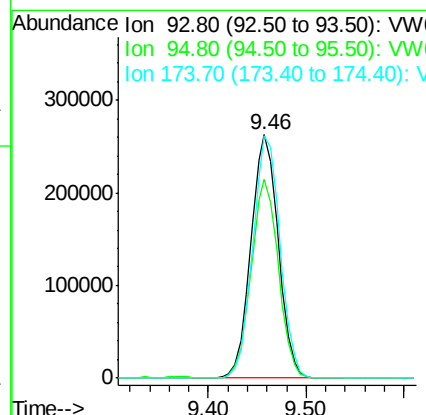
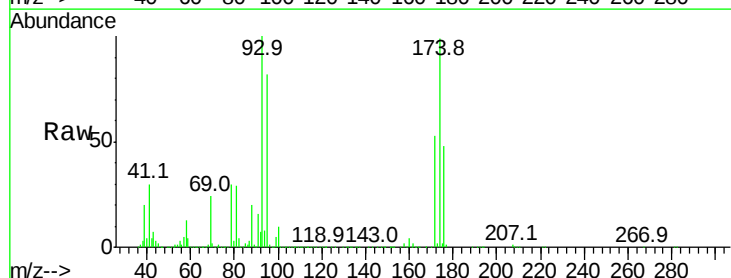
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

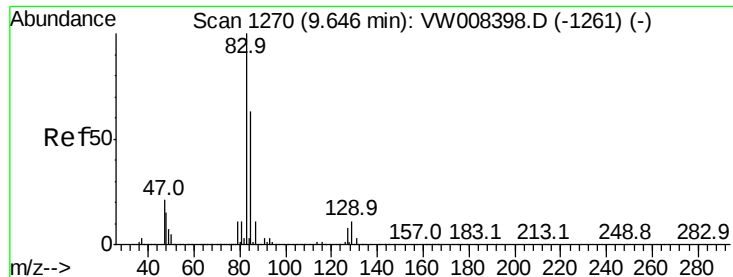
Tgt Ion: 63 Resp: 985633
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.2 37.8



#46
 Dibromomethane
 Concen: 153.088 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion: 93 Resp: 507027
 Ion Ratio Lower Upper
 93 100
 95 81.0 65.9 98.9
 174 99.8 81.0 121.6





#47

Bromodichloromethane

Concen: 163.877 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

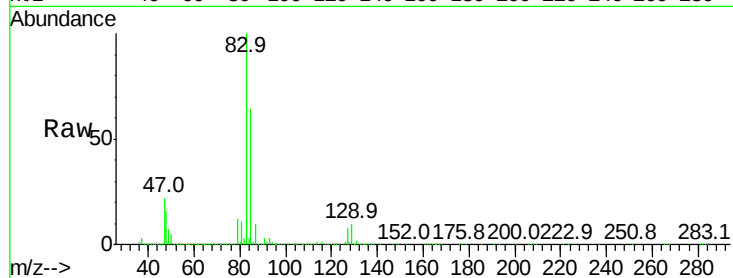
Tgt Ion: 83 Resp: 1338809

Ion Ratio Lower Upper

83 100

85 63.6 50.8 76.2

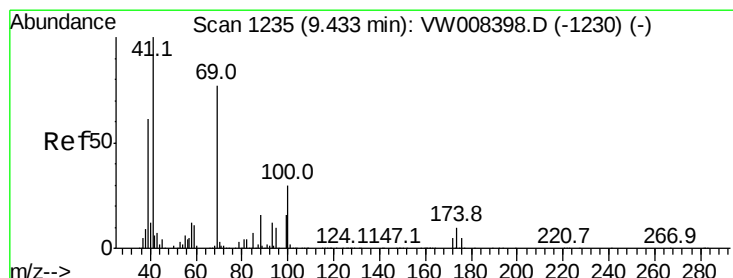
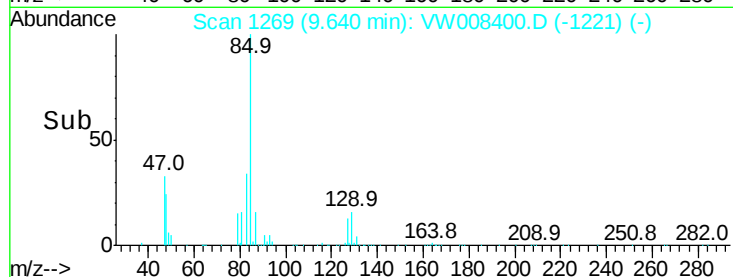
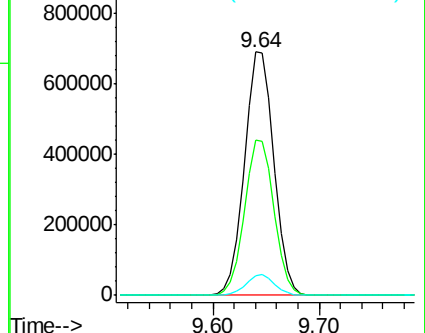
127 8.1 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 196.012 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

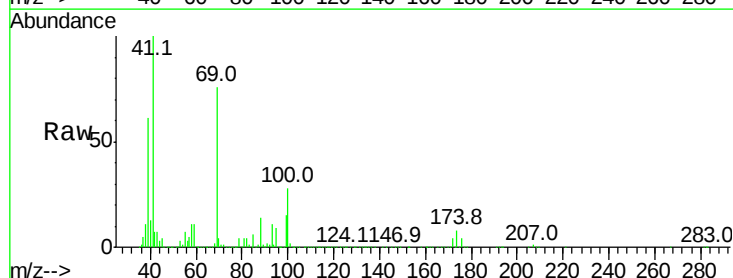
Tgt Ion: 41 Resp: 649136

Ion Ratio Lower Upper

41 100

69 78.5 64.8 97.2

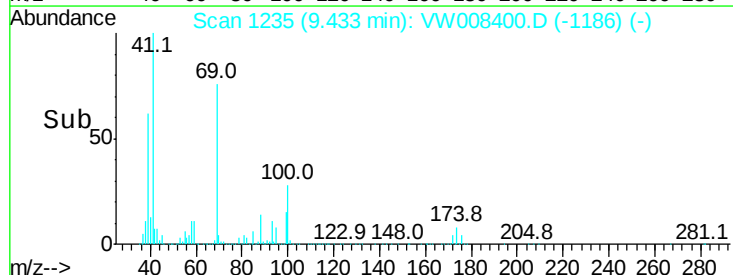
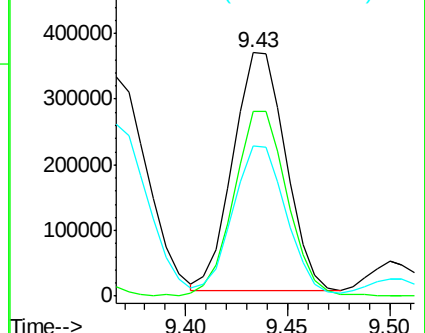
39 61.6 49.1 73.7

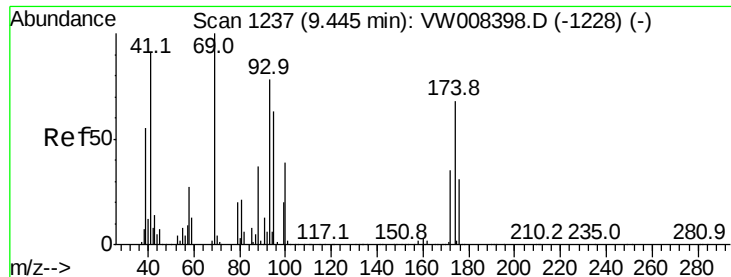


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

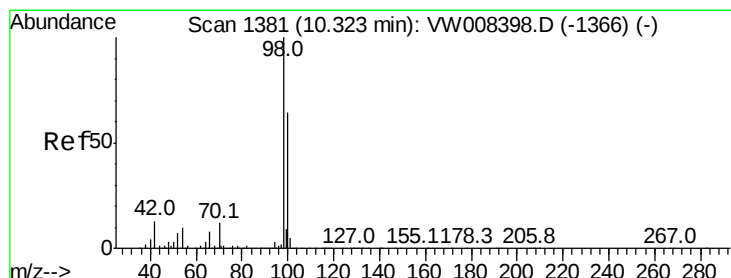
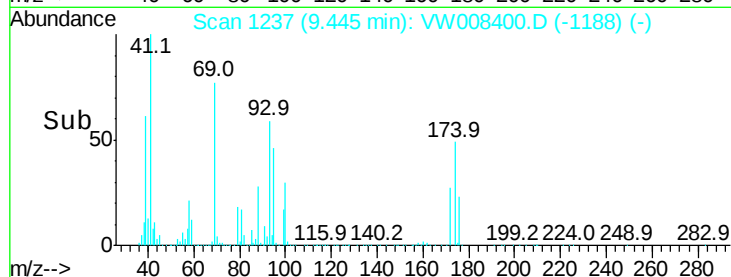
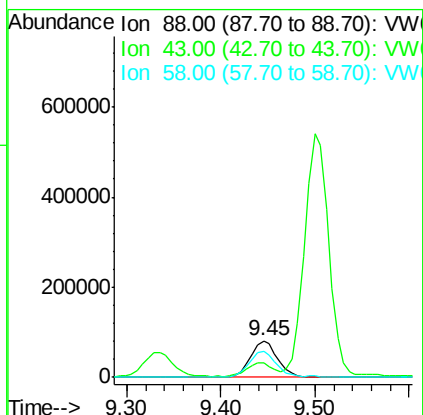
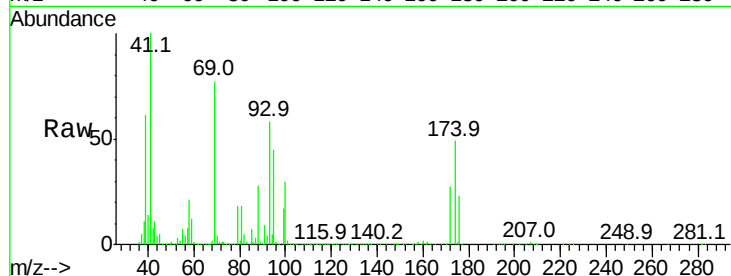




#49
1,4-Dioxane
Concen: 3079.708 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

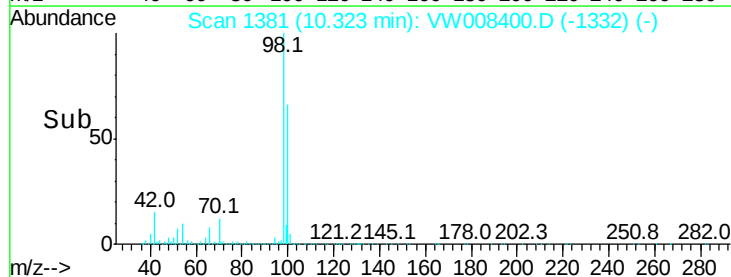
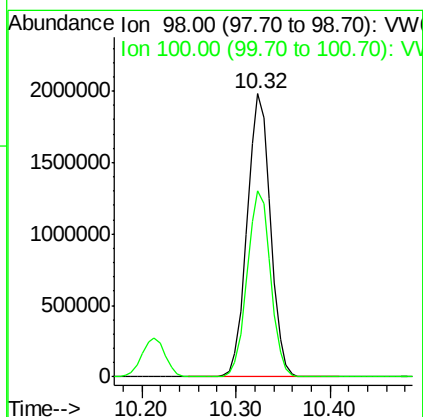
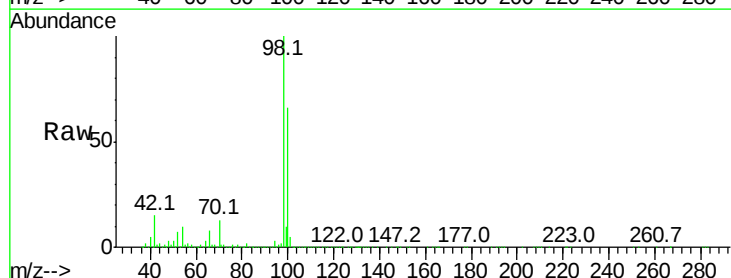
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

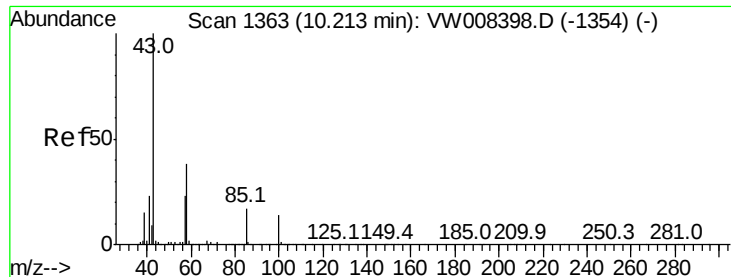
Tgt Ion: 88 Resp: 164200
Ion Ratio Lower Upper
88 100
43 36.0 29.0 43.4
58 71.0 56.4 84.6



#50
Toluene-d8
Concen: 152.218 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 98 Resp: 3426567
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

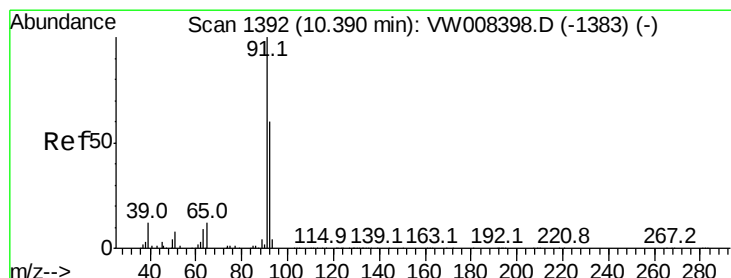
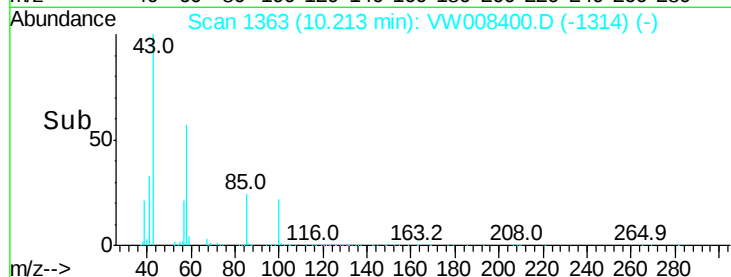
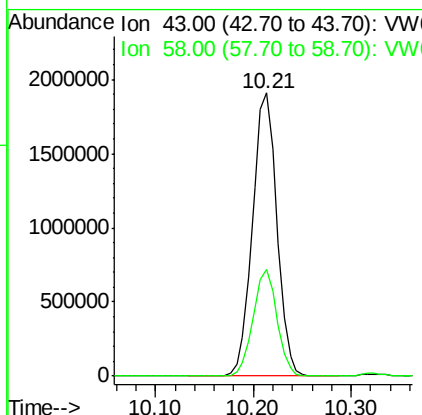
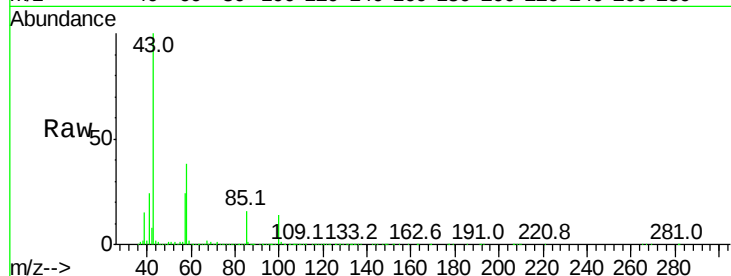




#51
4-Methyl-2-Pentanone
Concen: 924.846 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

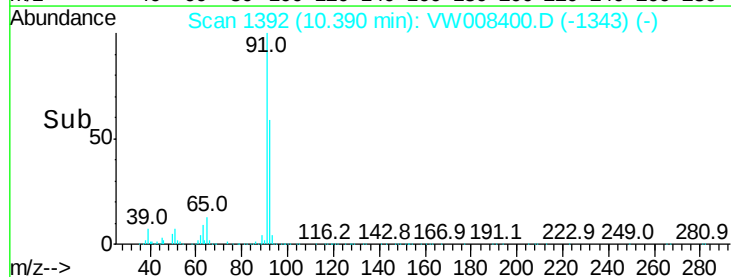
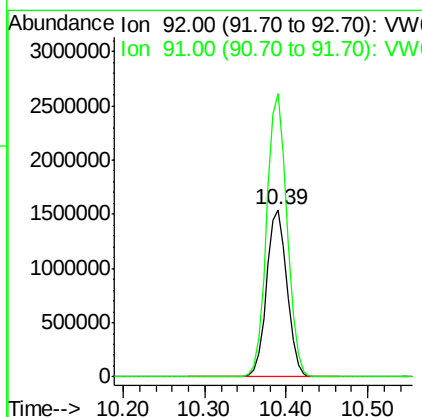
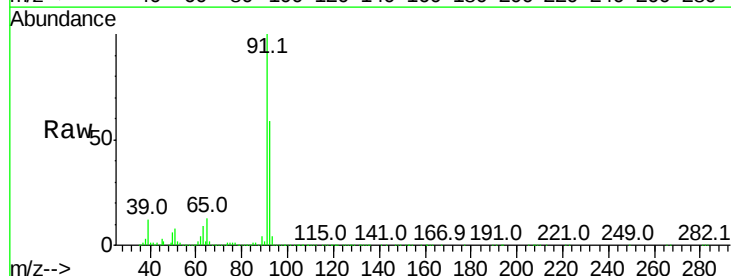
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

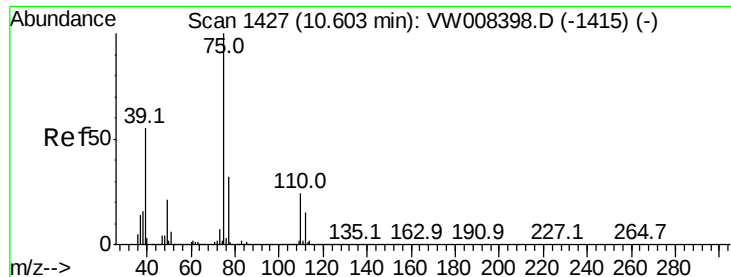
Tgt Ion: 43 Resp: 3294452
Ion Ratio Lower Upper
43 100
58 37.0 29.7 44.5



#52
Toluene
Concen: 164.404 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 92 Resp: 2661663
Ion Ratio Lower Upper
92 100
91 169.0 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 178.008 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

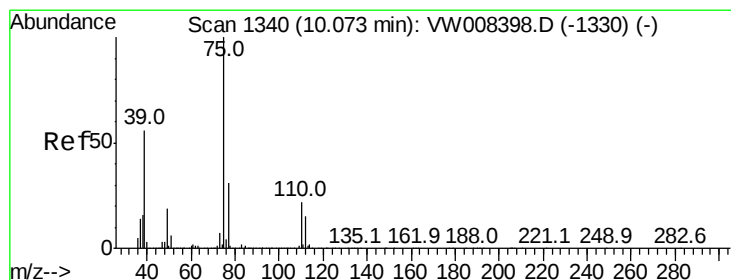
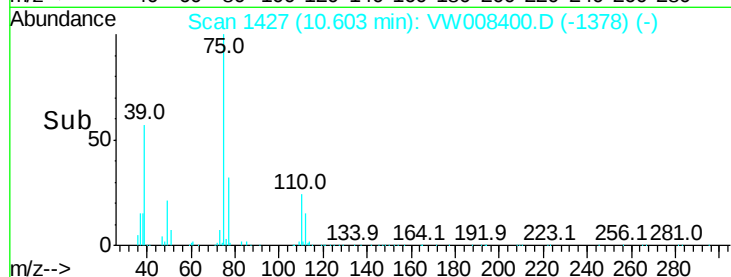
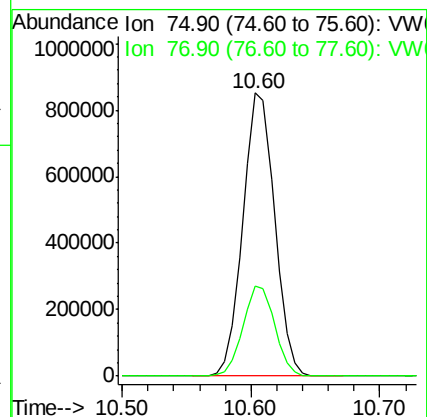
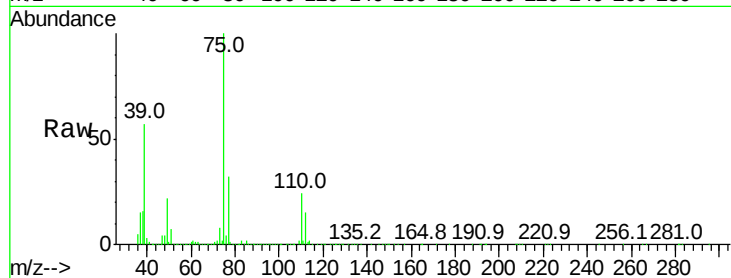
VSTDIC150

Tgt Ion: 75 Resp: 1451441

Ion Ratio Lower Upper

75 100

77 31.7 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 169.088 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

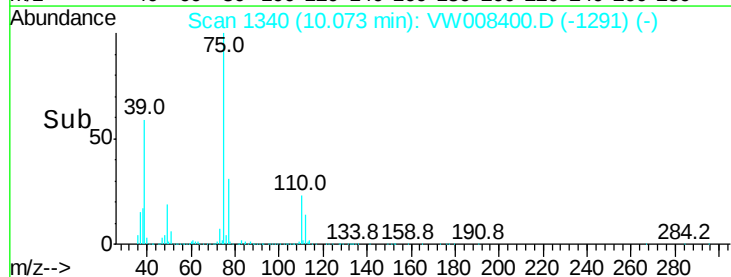
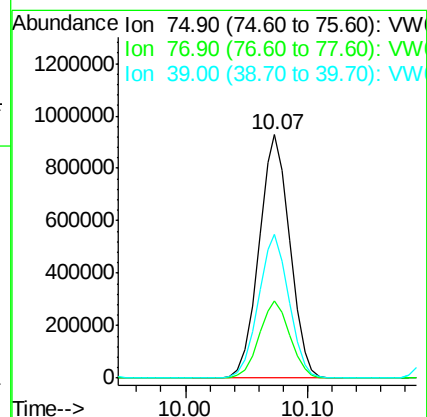
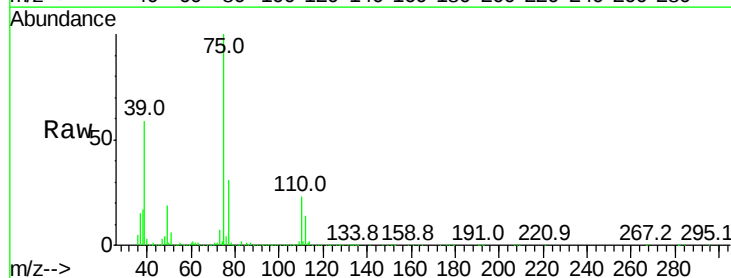
Tgt Ion: 75 Resp: 1625279

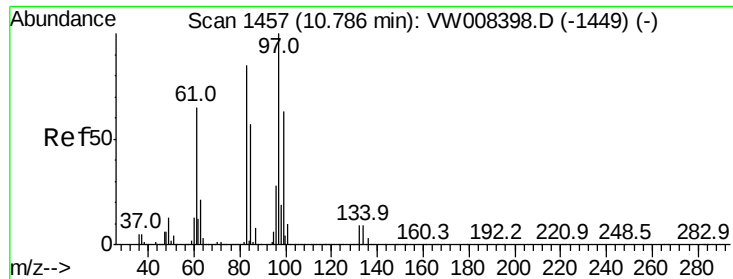
Ion Ratio Lower Upper

75 100

77 31.4 25.0 37.4

39 58.8 44.9 67.3

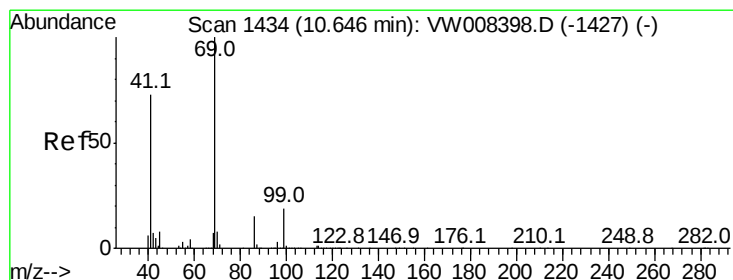
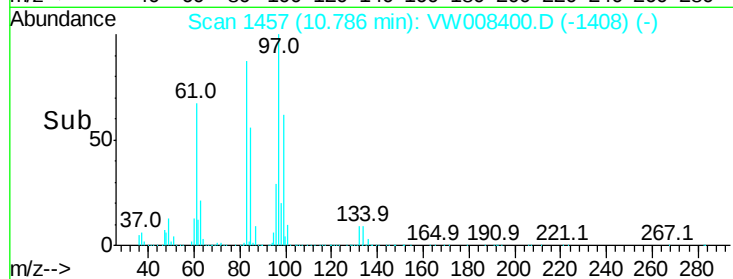
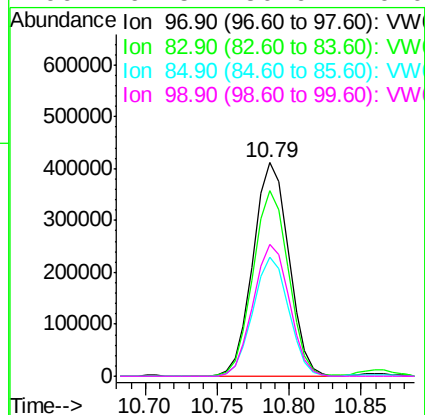
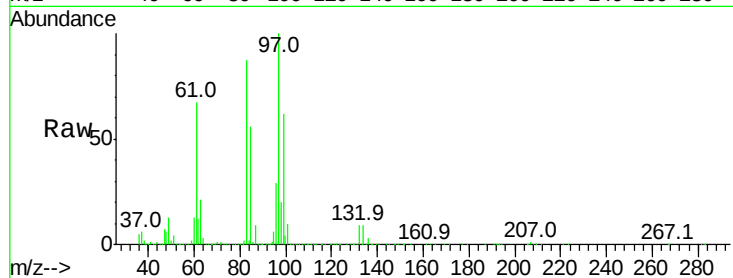




#55
 1,1,2-Trichloroethane
 Concen: 154.044 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

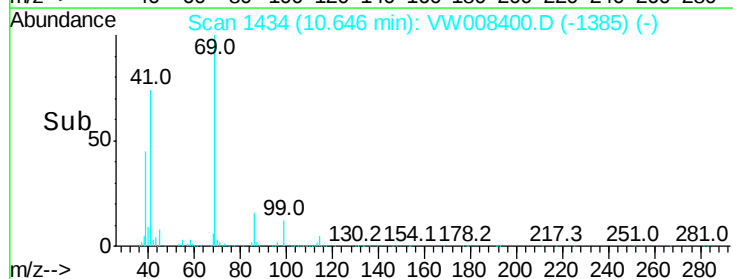
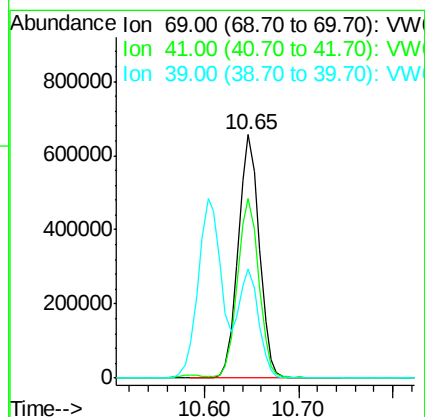
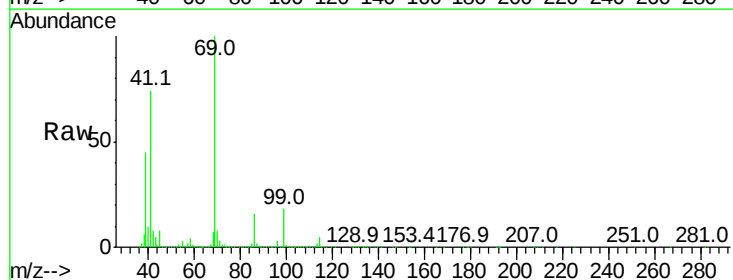
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

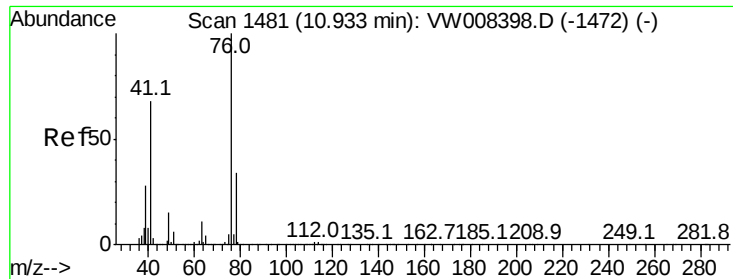
Tgt Ion:	97	Resp:	707642
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.4	102.6
85	55.8	45.3	67.9
99	61.5	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 189.016 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion:	69	Resp:	1019736
Ion	Ratio	Lower	Upper
69	100		
41	74.1	58.7	88.1
39	42.1	32.6	48.8

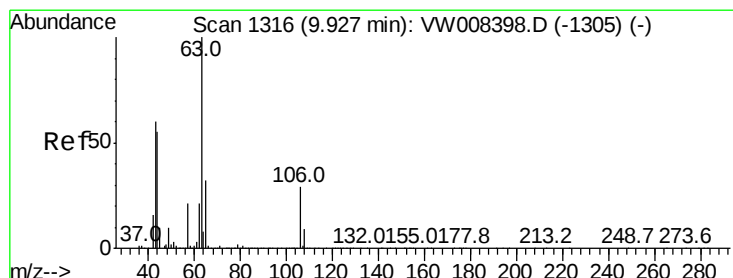
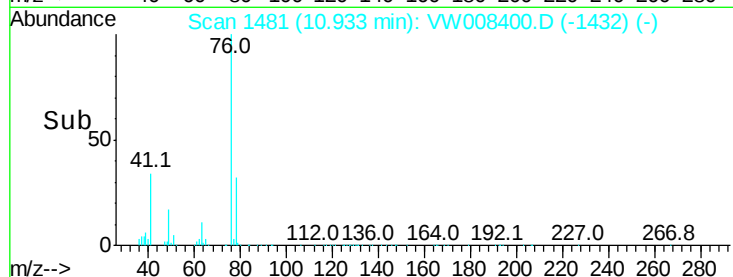
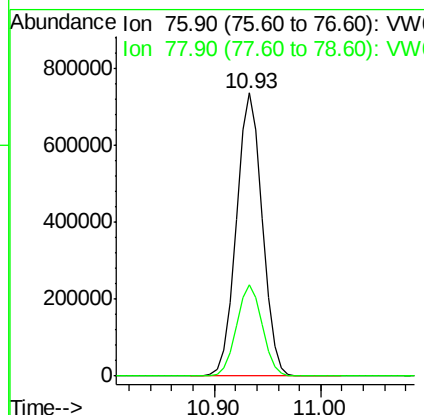
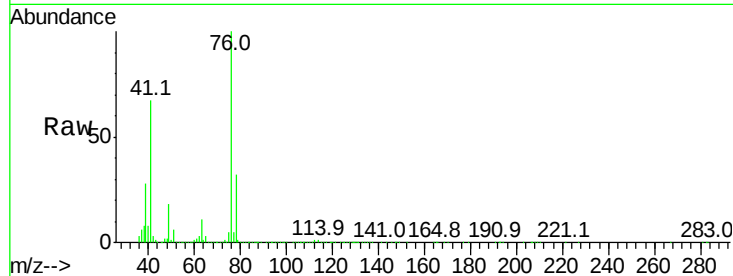




#57
 1,3-Dichloropropane
 Concen: 156.958 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

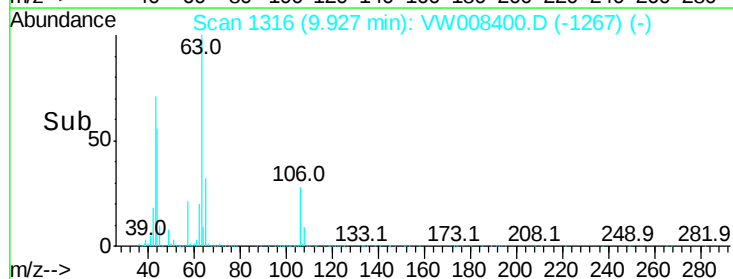
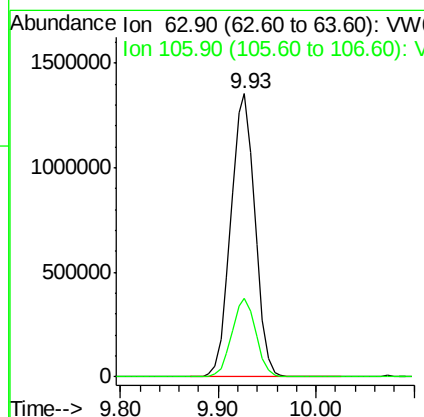
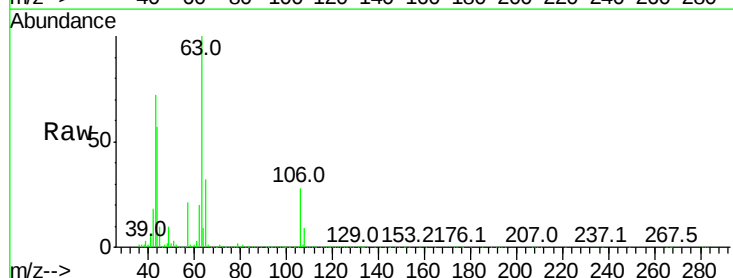
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

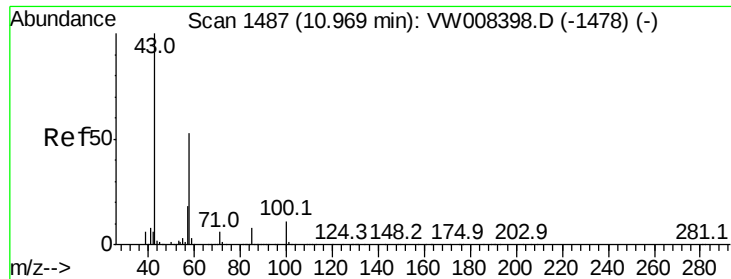
Tgt Ion: 76 Resp: 1251925
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 888.070 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion: 63 Resp: 2311016
 Ion Ratio Lower Upper
 63 100
 106 27.6 22.4 33.6

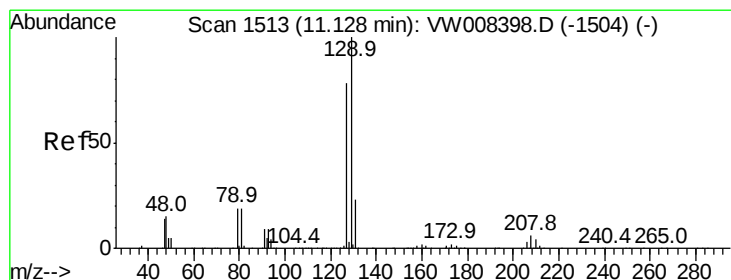
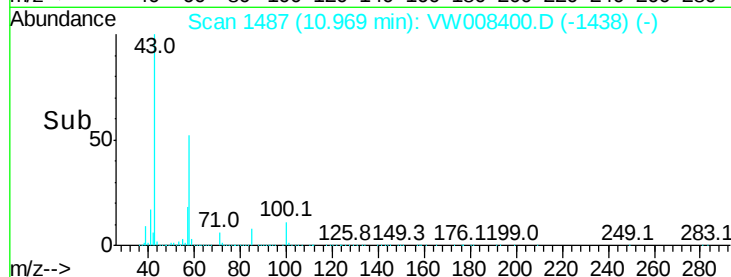
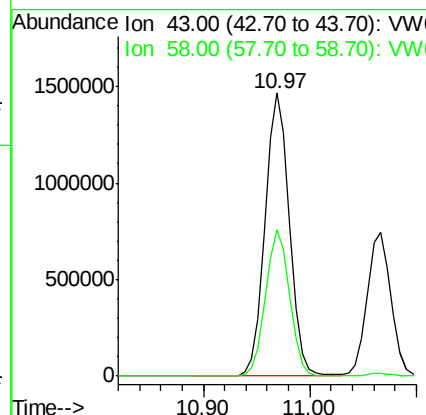
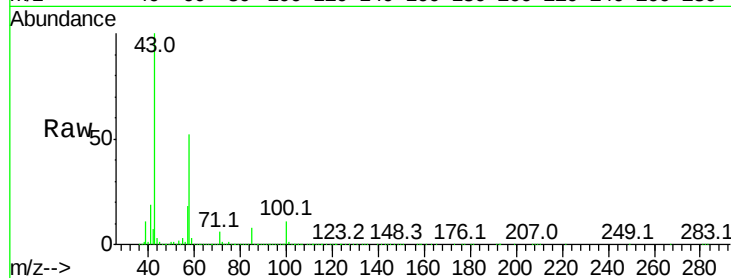




#59
2-Hexanone
Concen: 937.454 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

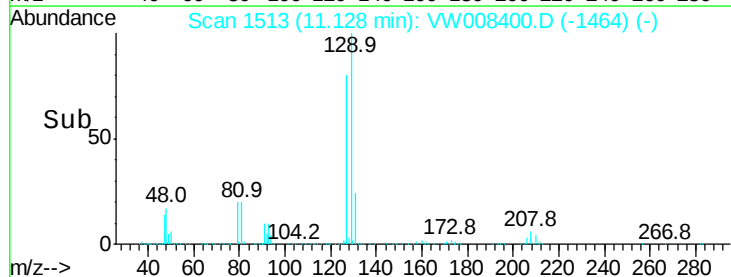
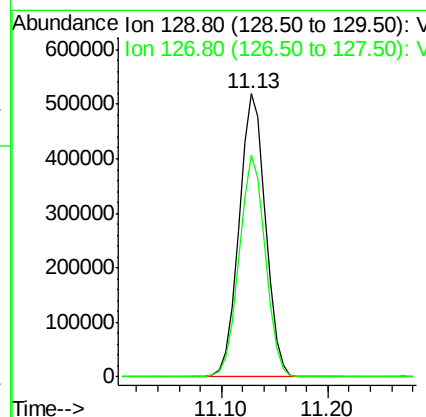
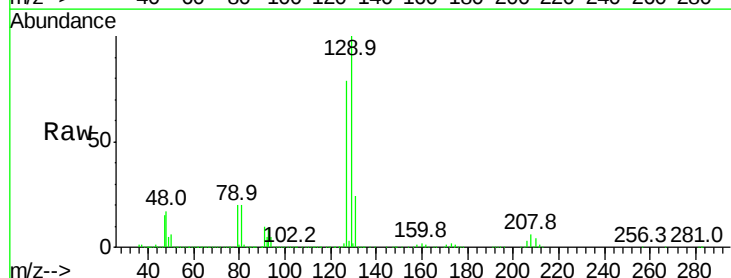
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

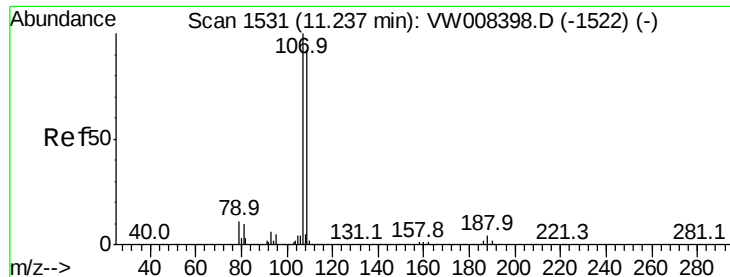
Tgt Ion: 43 Resp: 2339766
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.7



#60
Dibromochloromethane
Concen: 164.679 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion: 129 Resp: 902856
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 155.887 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

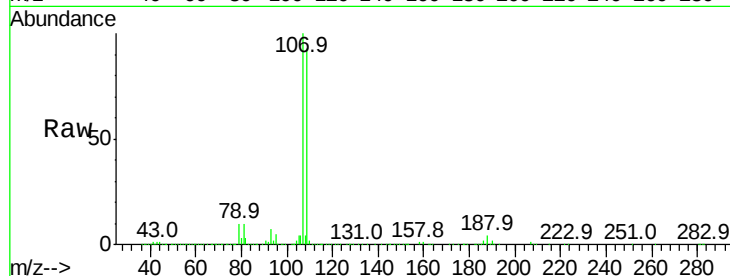
VSTDIC150

Tgt Ion: 107 Resp: 693437

Ion Ratio Lower Upper

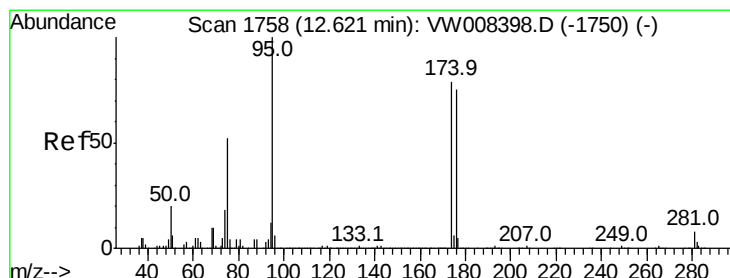
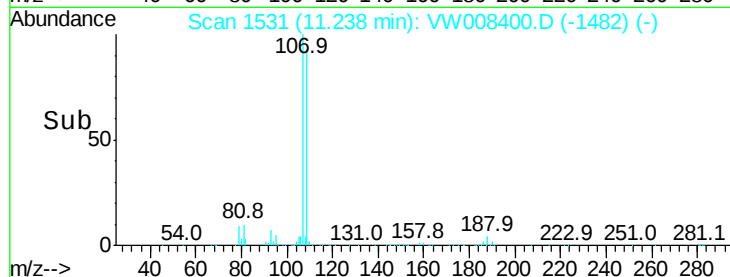
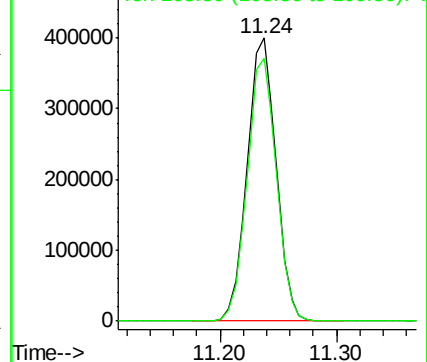
107 100

109 94.0 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 164.822 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

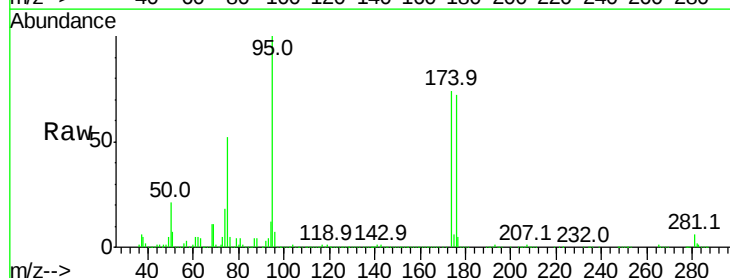
Tgt Ion: 95 Resp: 1330696

Ion Ratio Lower Upper

95 100

174 76.1 0.0 157.6

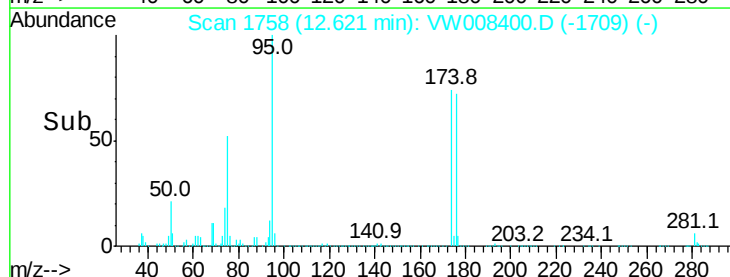
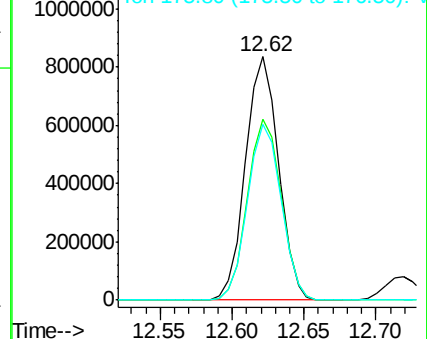
176 73.6 0.0 151.8

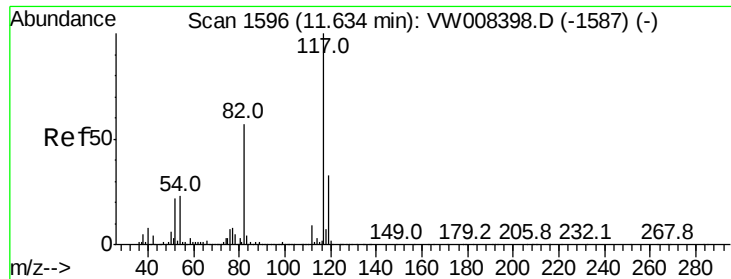


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

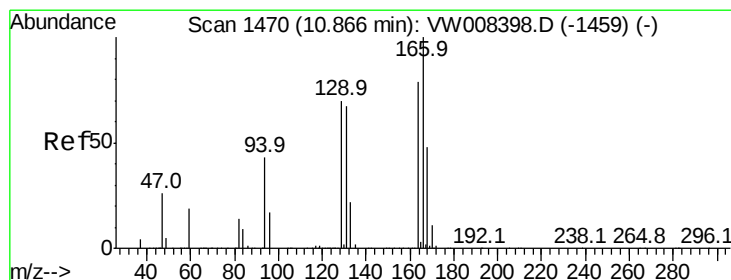
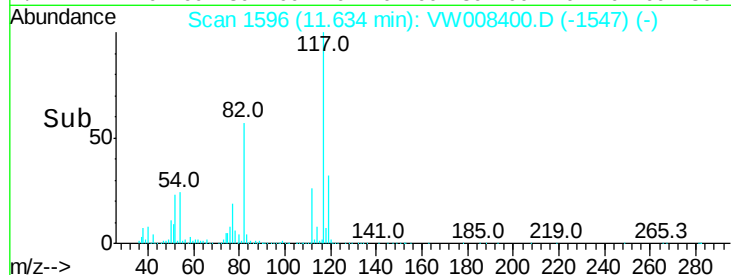
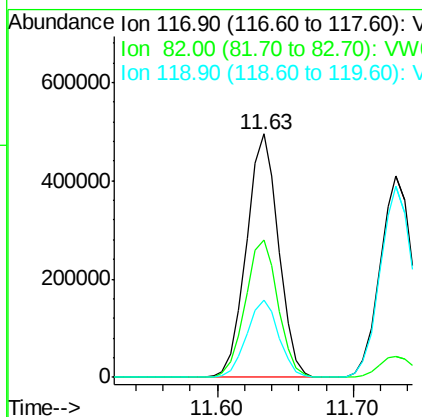
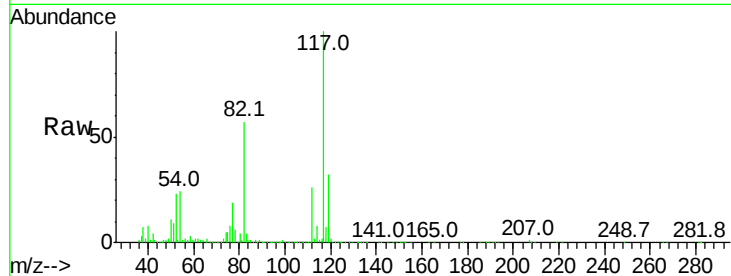




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

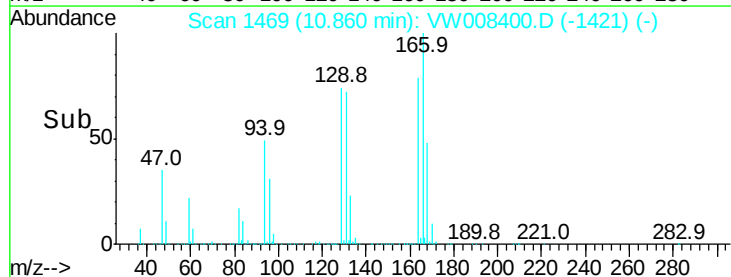
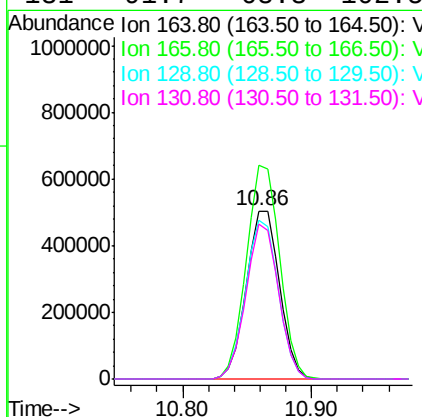
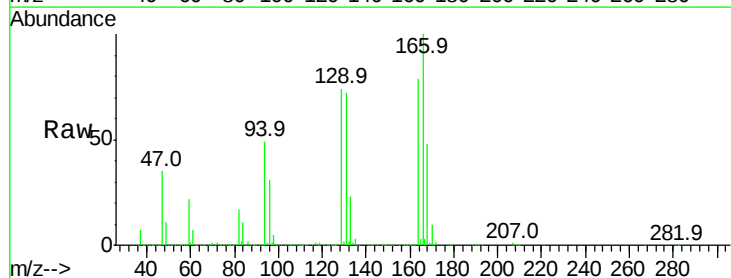
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

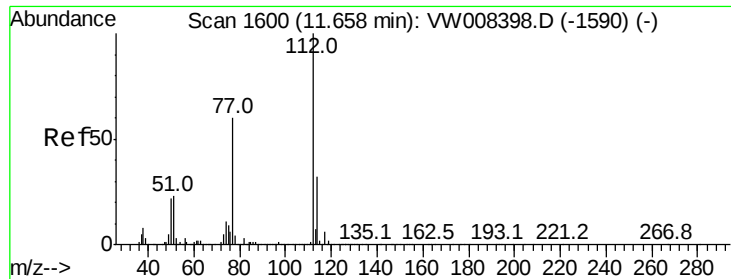
Tgt Ion:117 Resp: 818616
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.0
119 31.7 26.2 39.4



#64
Tetrachloroethene
Concen: 155.860 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion:164 Resp: 894635
Ion Ratio Lower Upper
164 100
166 126.9 101.4 152.0
129 94.2 71.0 106.6
131 91.7 68.3 102.5

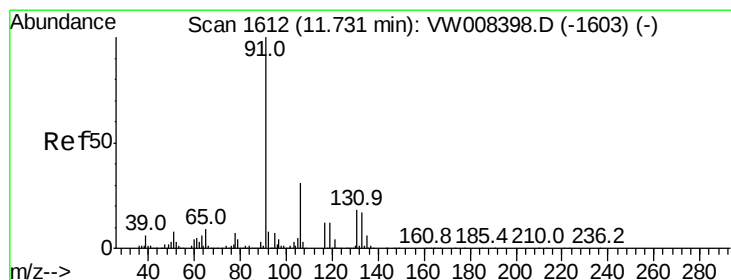
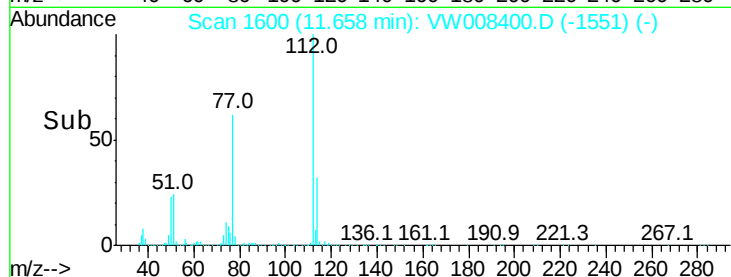
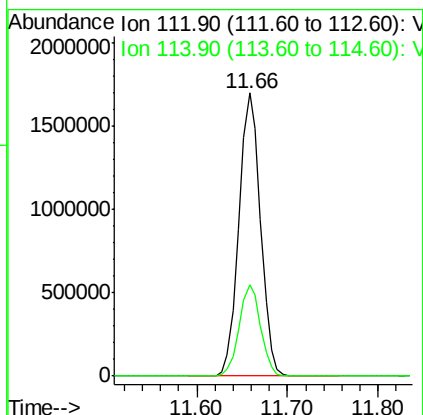
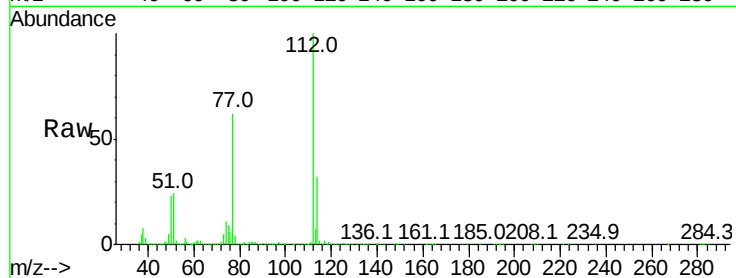




#65
Chlorobenzene
Concen: 156.229 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

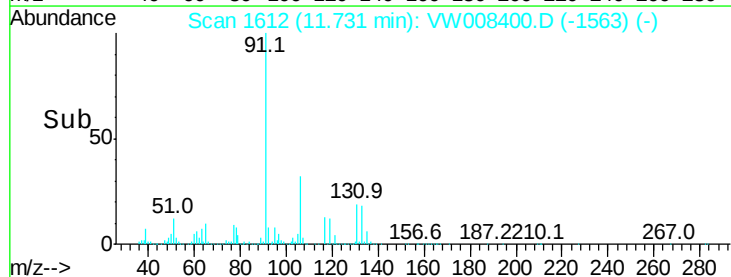
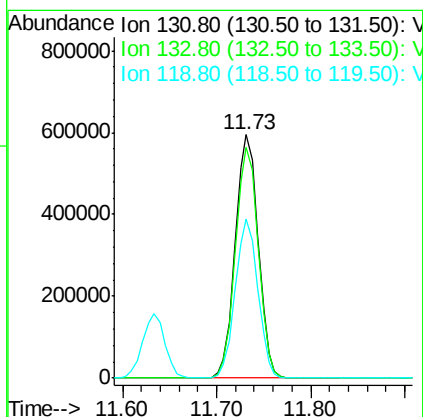
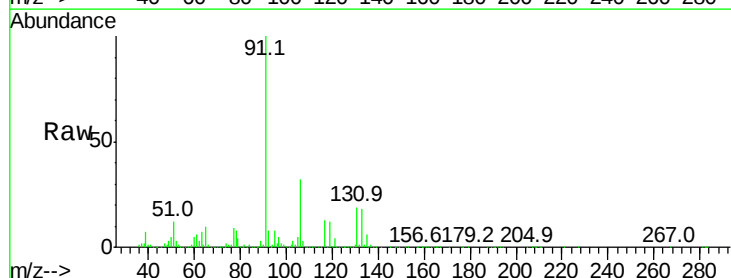
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

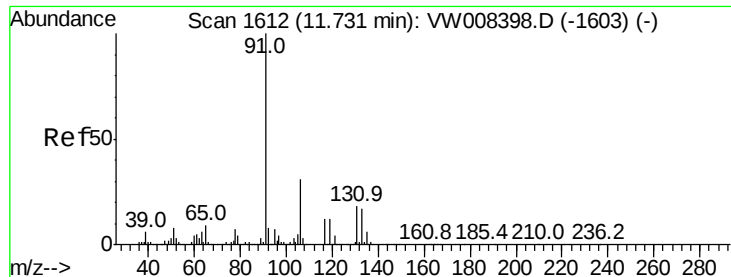
Tgt Ion:112 Resp: 2789609
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 163.517 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion:131 Resp: 1004898
Ion Ratio Lower Upper
131 100
133 94.6 47.0 141.2
119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 165.549 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

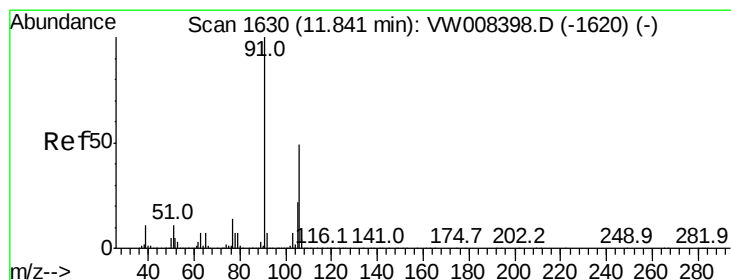
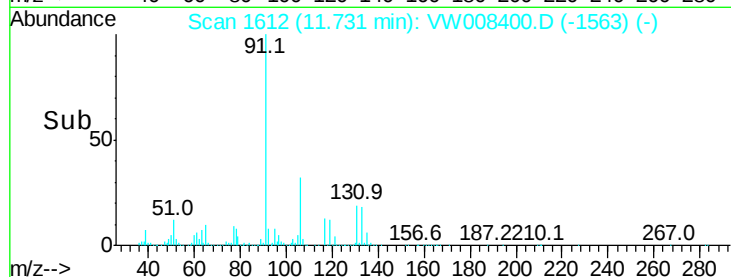
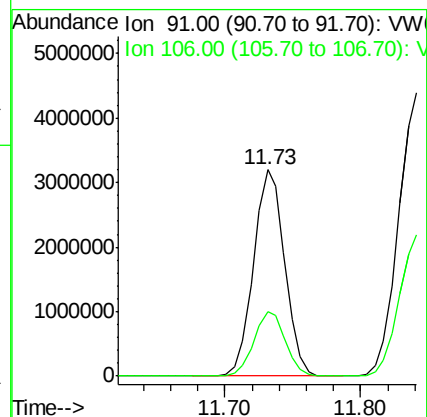
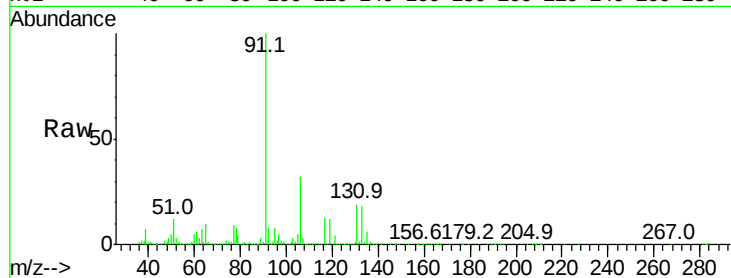
VSTDIC150

Tgt Ion: 91 Resp: 5132607

Ion Ratio Lower Upper

91 100

106 31.5 24.7 37.1



#68

m/p-Xylenes

Concen: 331.084 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008400.D

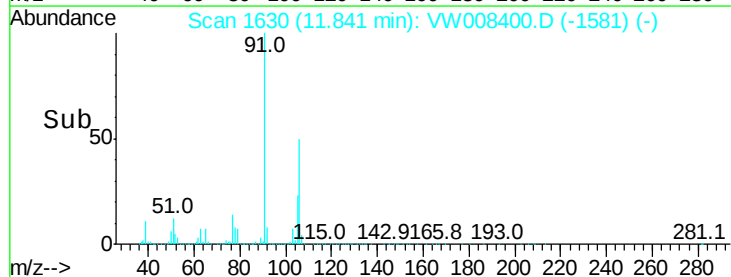
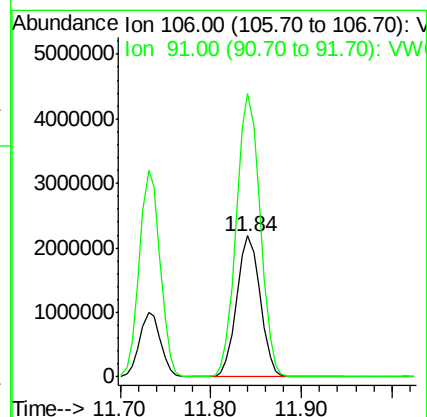
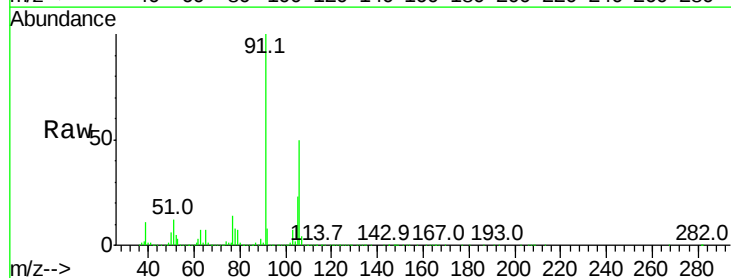
Acq: 24 Jan 2019 16:59

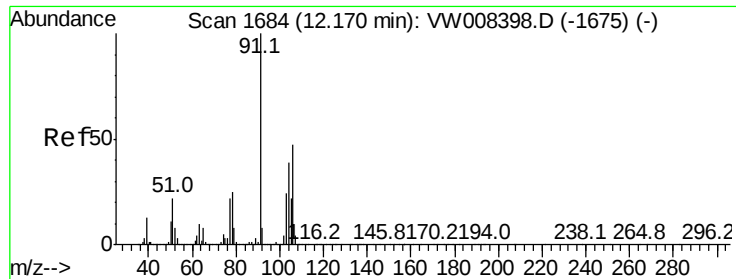
Tgt Ion: 106 Resp: 3984227

Ion Ratio Lower Upper

106 100

91 203.3 162.9 244.3

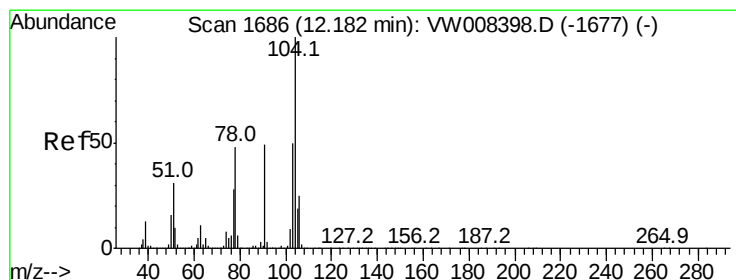
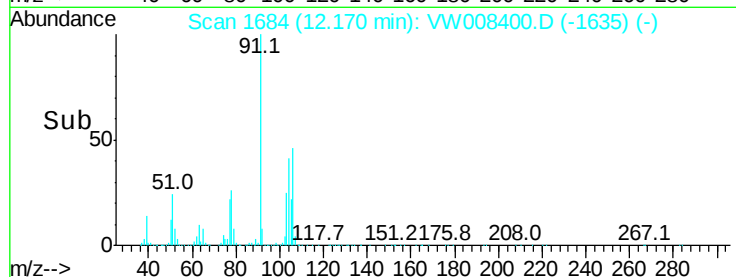
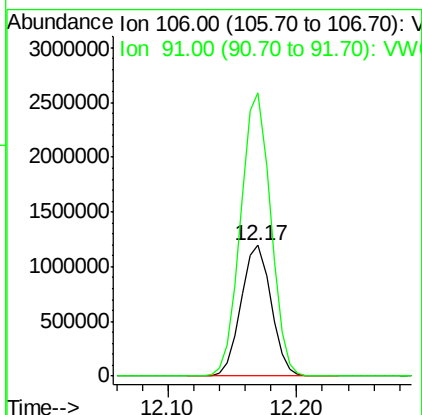
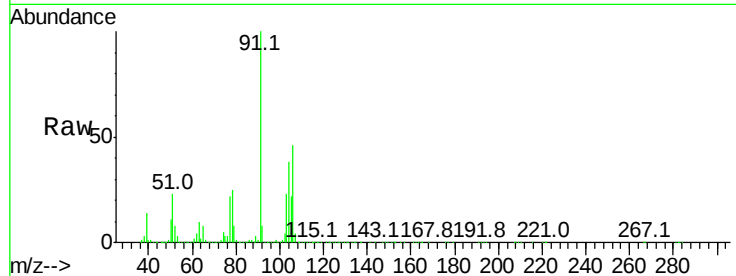




#69
o-Xylene
Concen: 171.700 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

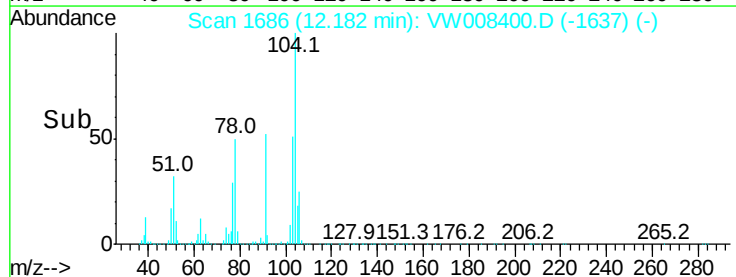
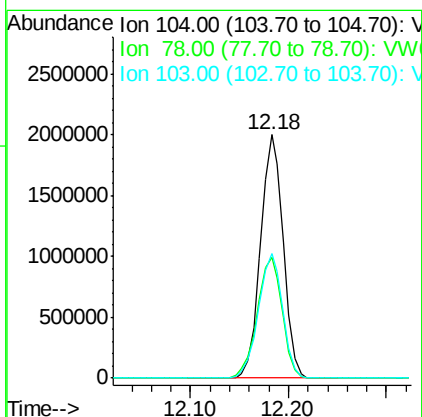
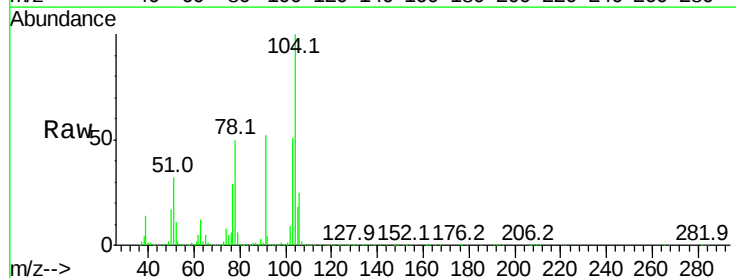
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

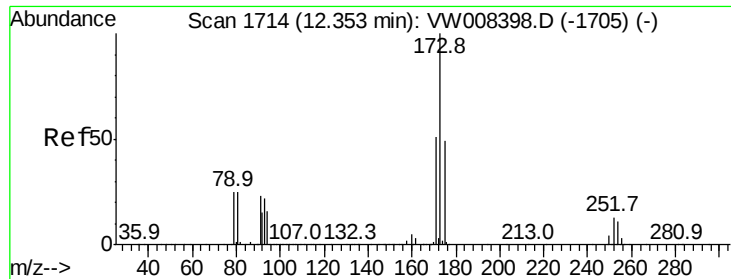
Tgt Ion:106 Resp: 1930395
Ion Ratio Lower Upper
106 100
91 215.8 107.5 322.4



#70
Styrene
Concen: 179.186 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008400.D
Acq: 24 Jan 2019 16:59

Tgt Ion:104 Resp: 3235909
Ion Ratio Lower Upper
104 100
78 54.5 42.4 63.6
103 54.6 43.4 65.0





#71

Bromoform

Concen: 187.012 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

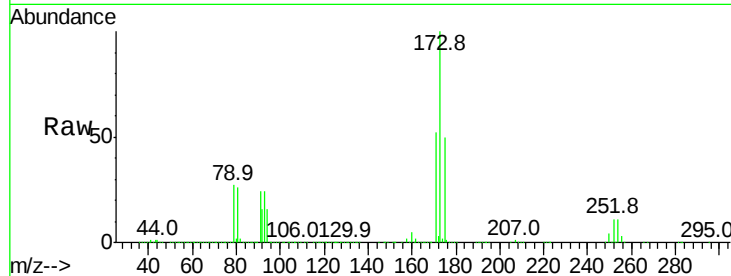
Tgt Ion:173 Resp: 572527

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.4

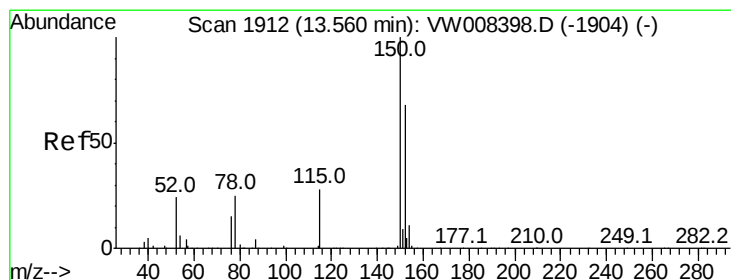
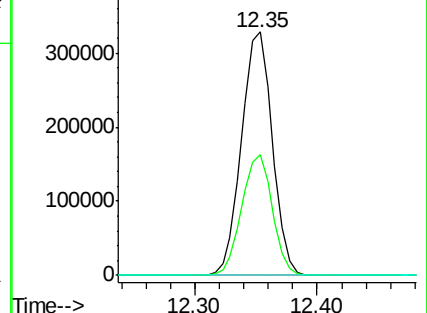
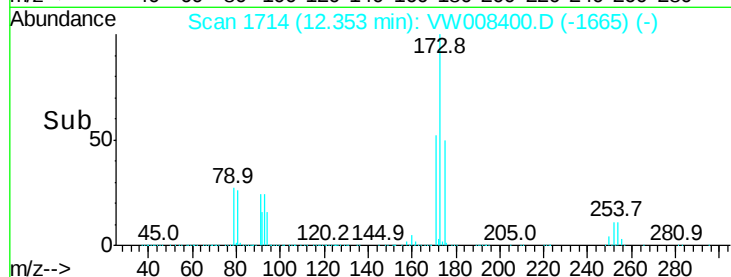
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

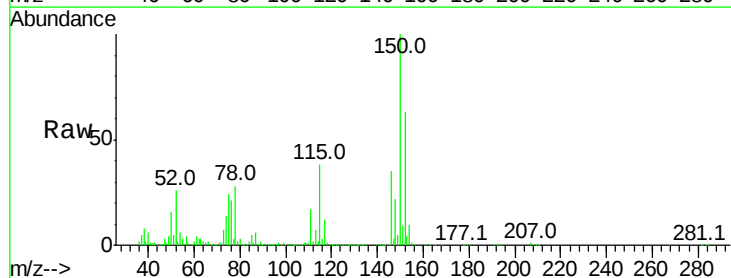
Tgt Ion:152 Resp: 417346

Ion Ratio Lower Upper

152 100

115 60.5 29.9 89.7

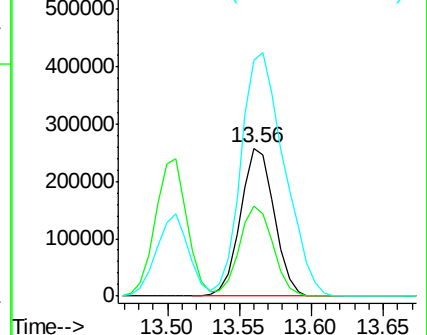
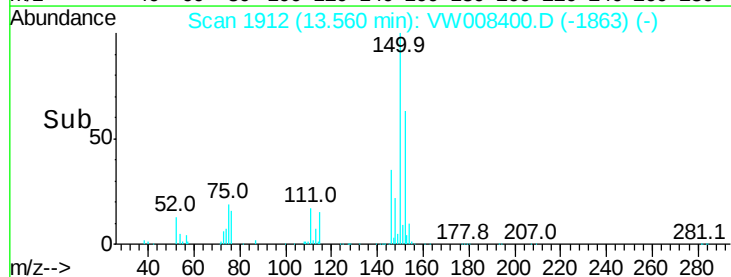
150 210.9 0.0 351.4

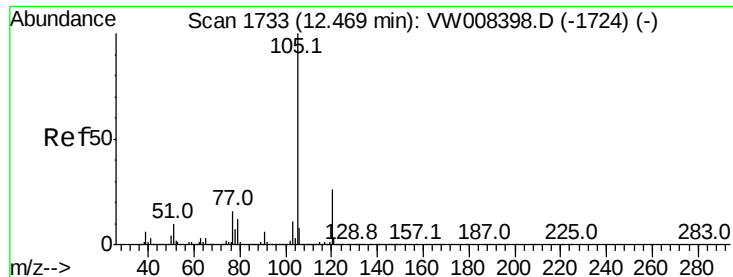


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 174.049 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

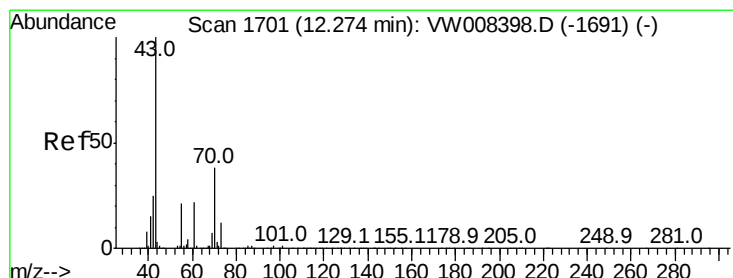
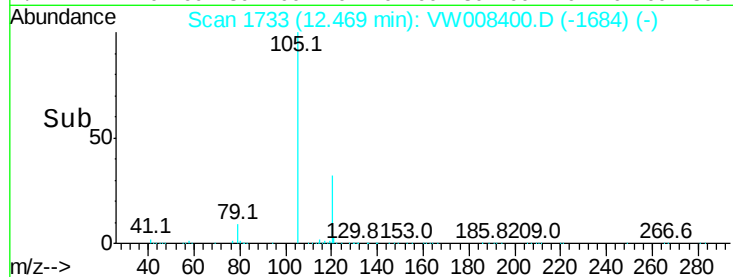
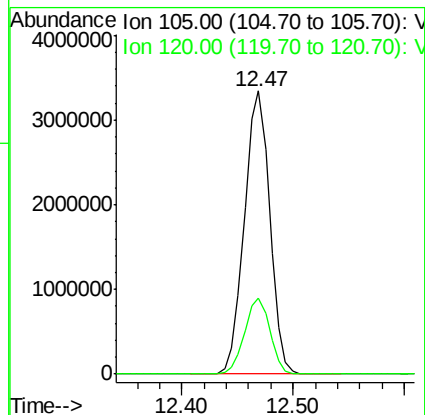
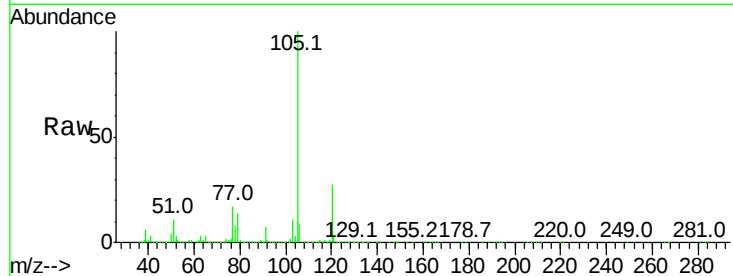
VSTDIC150

Tgt Ion:105 Resp: 5292629

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



#74

N-ethyl acetate

Concen: 219.456 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Tgt Ion: 43 Resp: 1430142

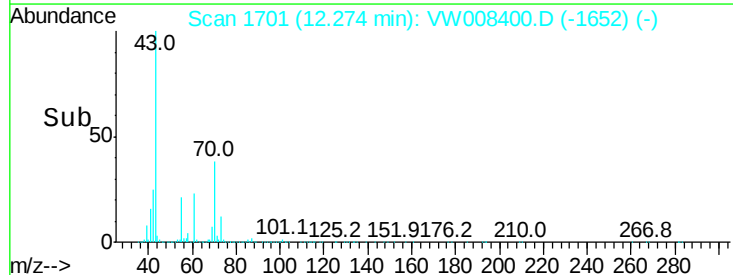
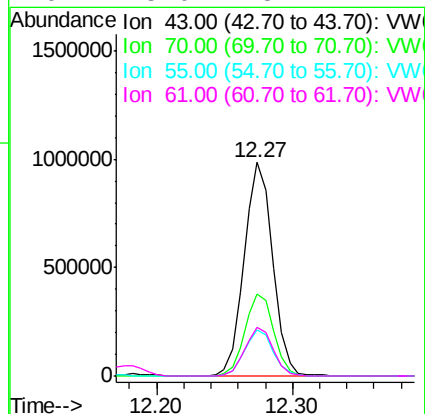
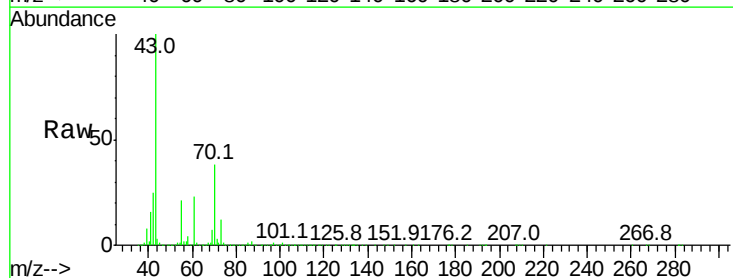
Ion Ratio Lower Upper

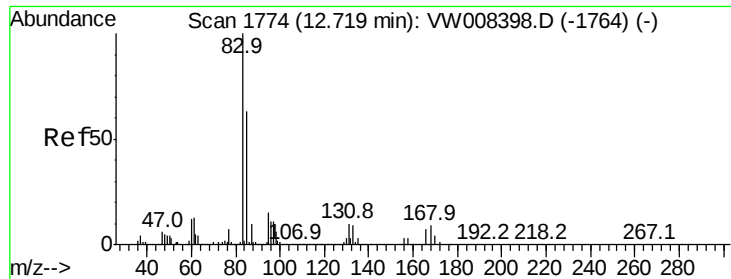
43 100

70 39.1 31.0 46.6

55 21.5 17.4 26.2

61 23.0 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 162.388 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

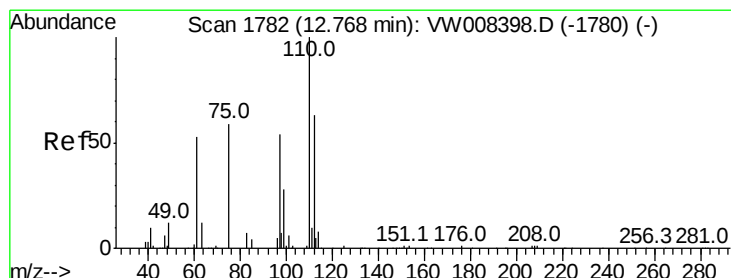
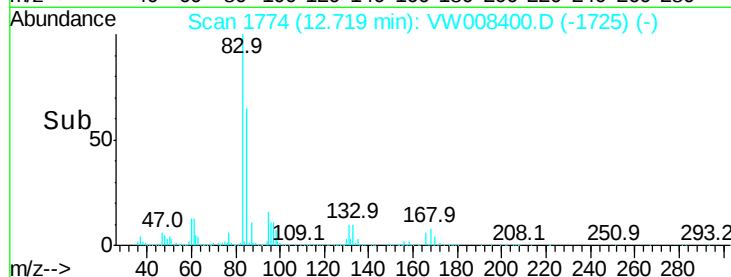
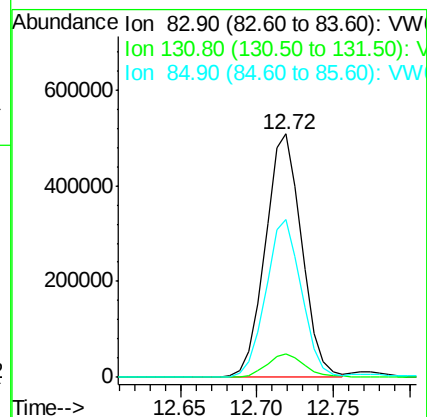
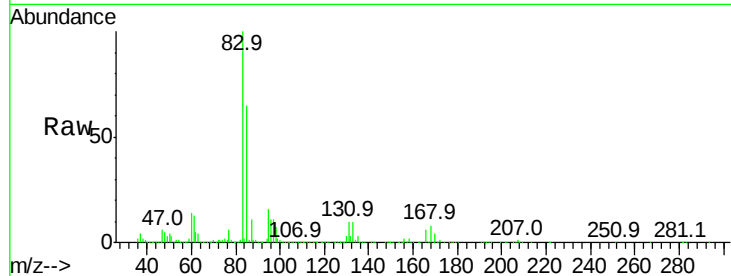
Tgt Ion: 83 Resp: 839930

Ion Ratio Lower Upper

83 100

131 10.3 5.5 16.4

85 63.8 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 317.631 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008400.D

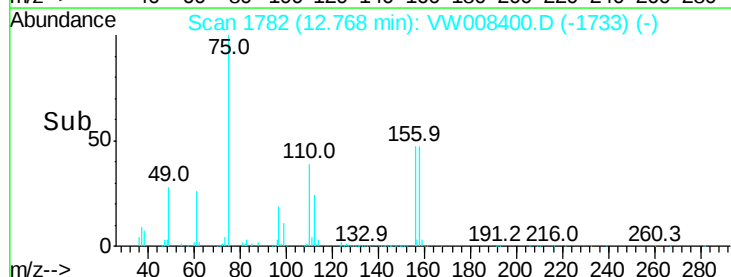
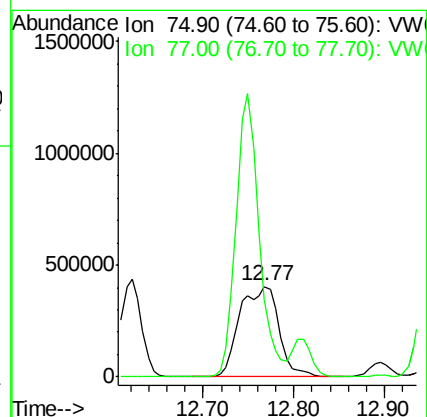
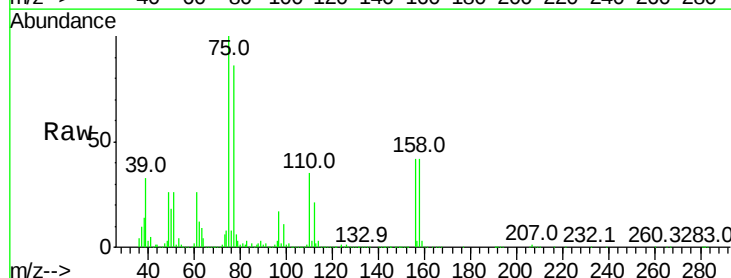
Acq: 24 Jan 2019 16:59

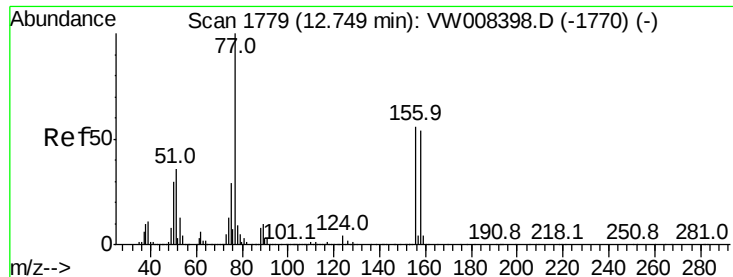
Tgt Ion: 75 Resp: 1207183

Ion Ratio Lower Upper

75 100

77 187.4 180.7 542.1





#77

Bromobenzene

Concen: 154.765 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

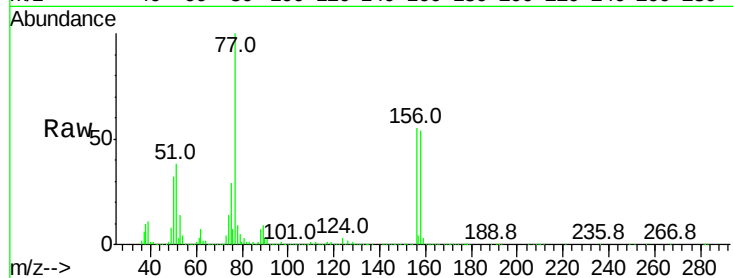
Tgt Ion:156 Resp: 1130430

Ion Ratio Lower Upper

156 100

77 200.1 96.9 290.7

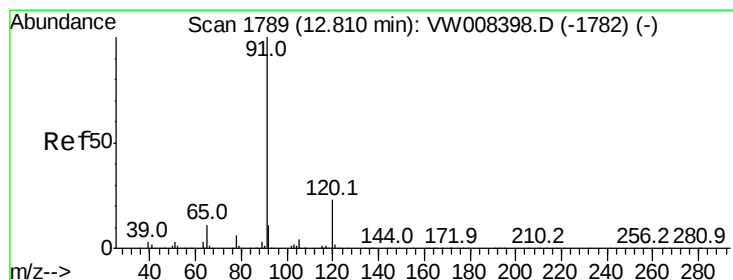
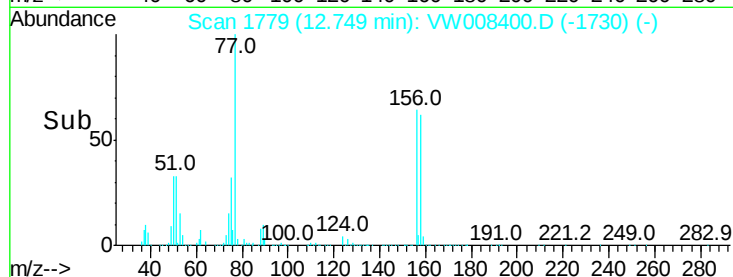
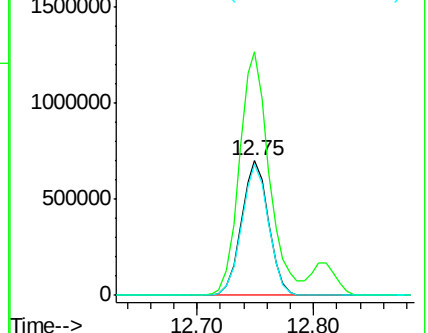
158 96.7 48.8 146.4



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: 169.772 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW008400.D

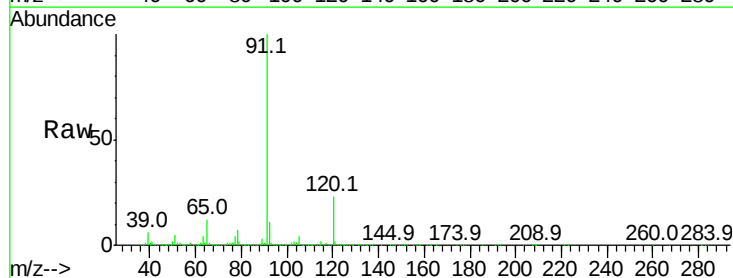
Acq: 24 Jan 2019 16:59

Tgt Ion: 91 Resp: 6248697

Ion Ratio Lower Upper

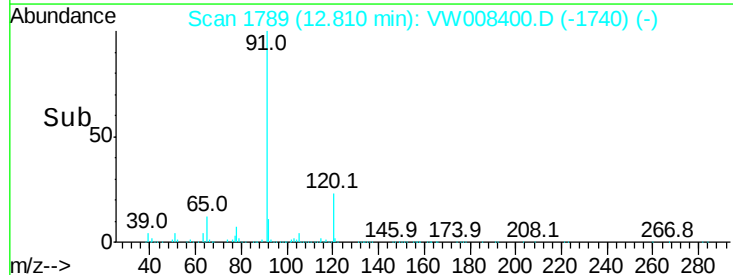
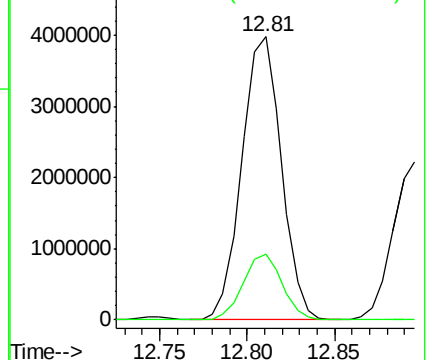
91 100

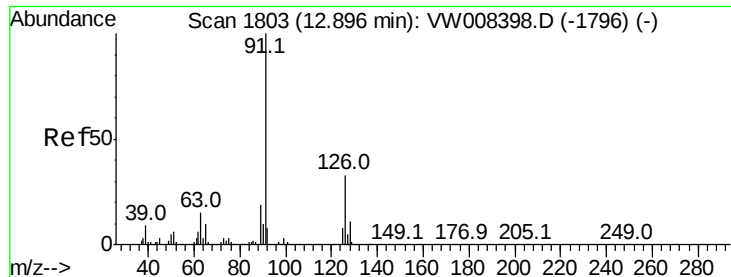
120 22.8 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 171.235 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

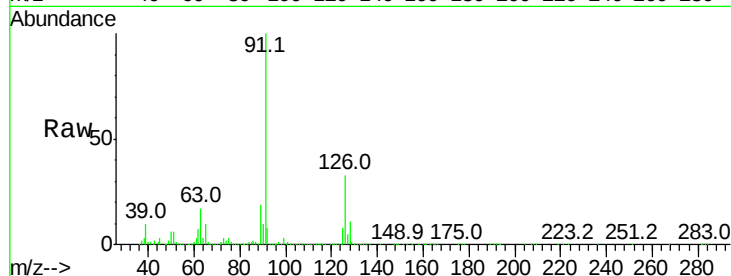
VSTDIC150

Tgt Ion: 91 Resp: 3600996

Ion Ratio Lower Upper

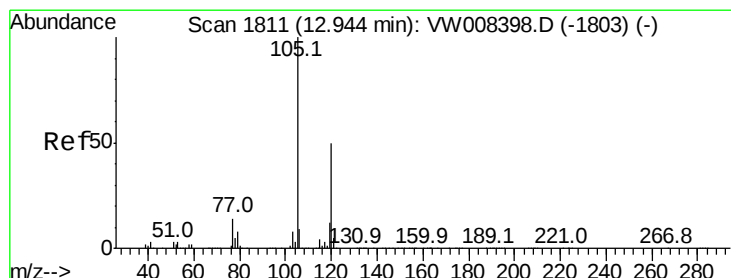
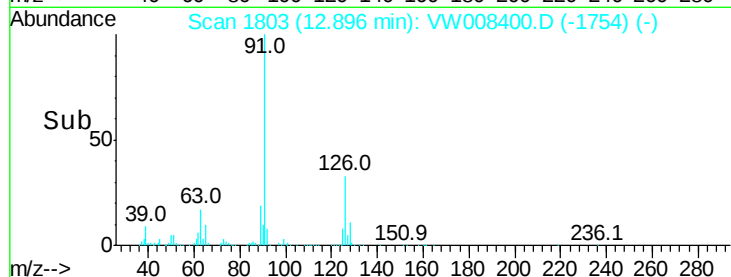
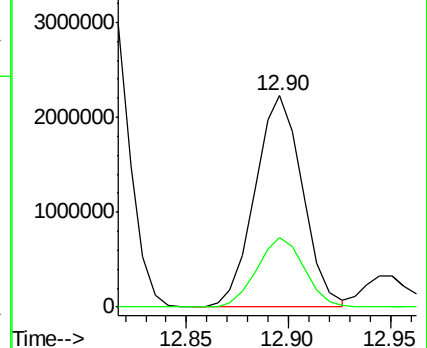
91 100

126 32.8 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: 172.897 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008400.D

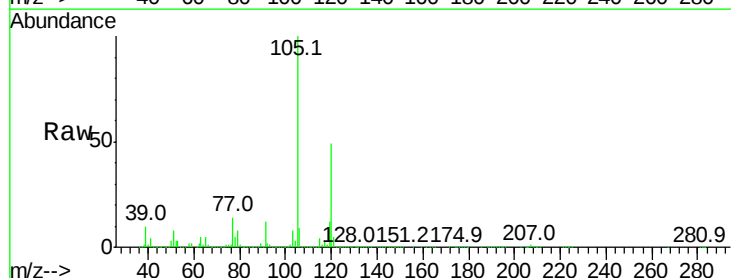
Acq: 24 Jan 2019 16:59

Tgt Ion:105 Resp: 4387341

Ion Ratio Lower Upper

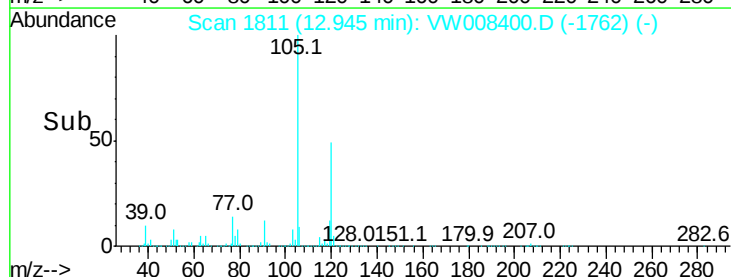
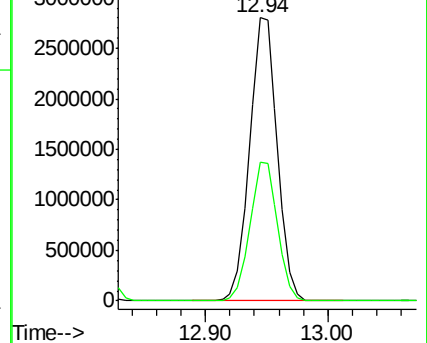
105 100

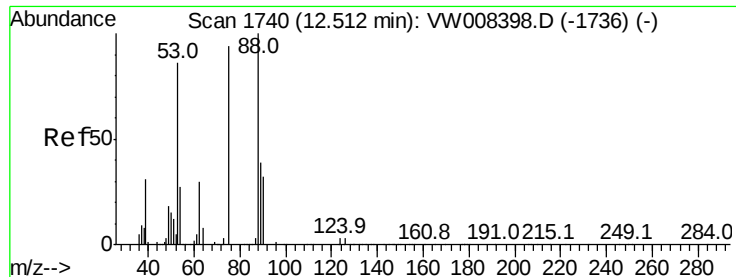
120 49.0 24.6 73.8



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: 204.115 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

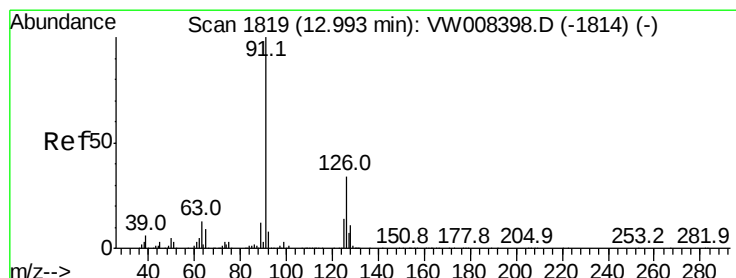
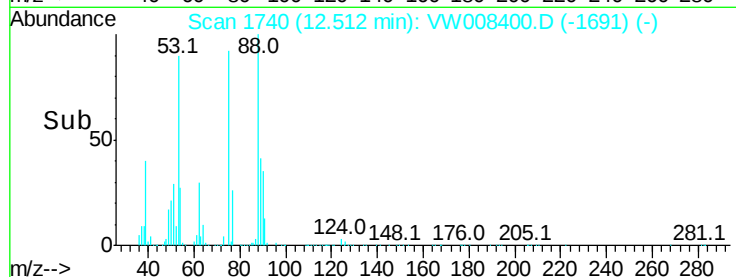
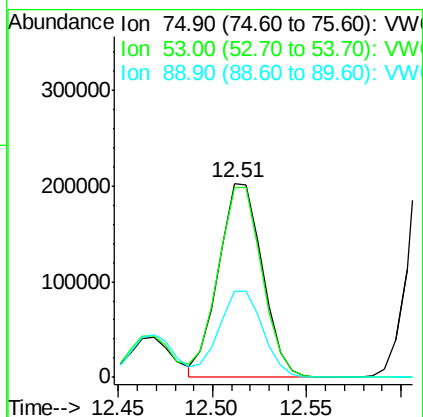
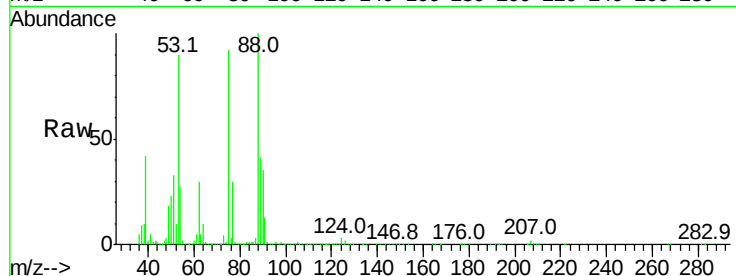
Tgt Ion: 75 Resp: 325070

Ion Ratio Lower Upper

75 100

53 98.4 76.0 114.0

89 45.1 35.4 53.0



#82

4-Chlorotoluene

Concen: 175.725 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008400.D

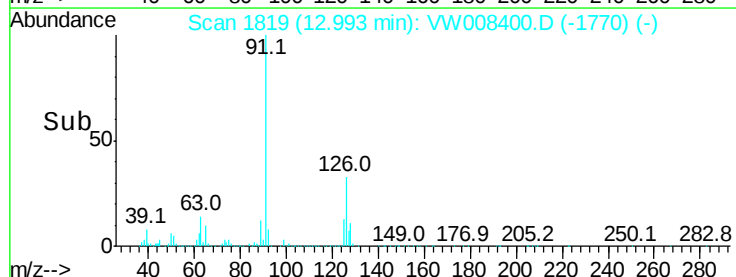
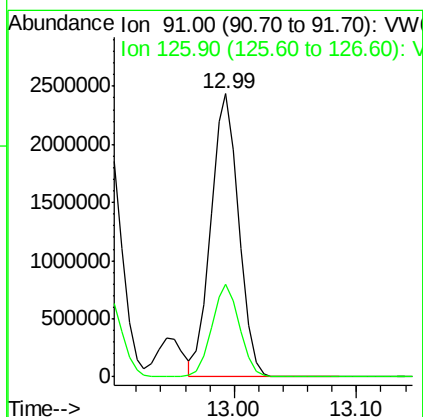
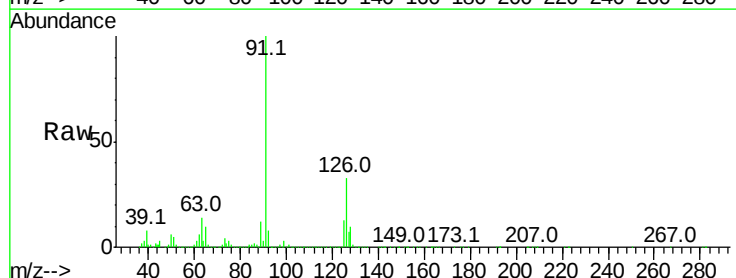
Acq: 24 Jan 2019 16:59

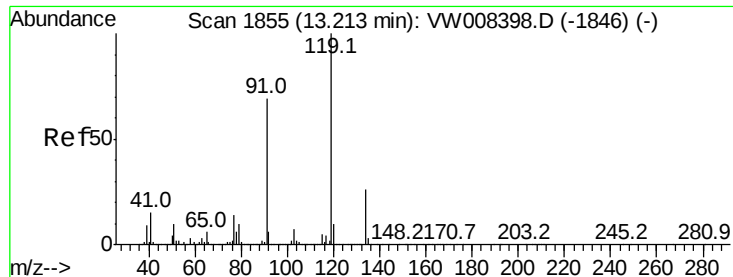
Tgt Ion: 91 Resp: 3861636

Ion Ratio Lower Upper

91 100

126 32.4 16.4 49.2





#83

tert-Butylbenzene

Concen: 172.565 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

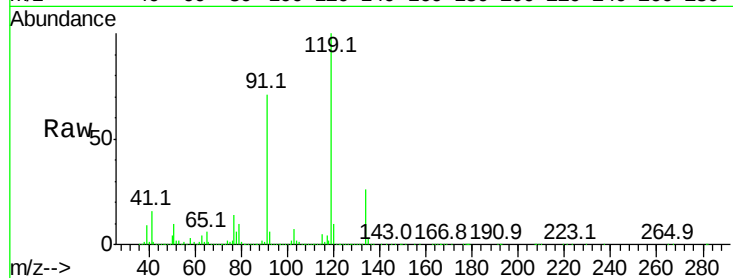
Tgt Ion:119 Resp: 3854095

Ion Ratio Lower Upper

119 100

91 69.3 33.8 101.4

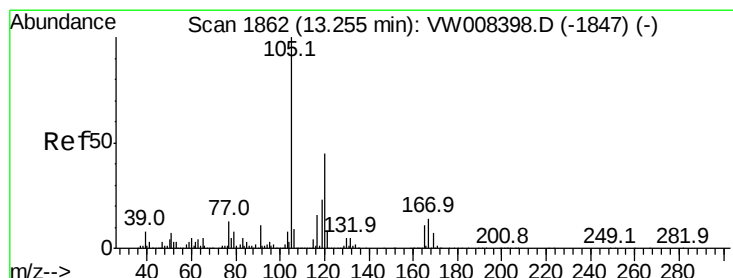
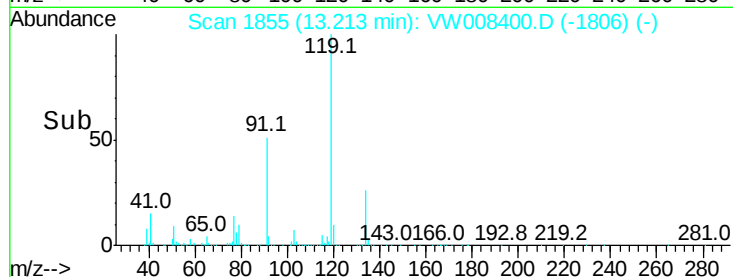
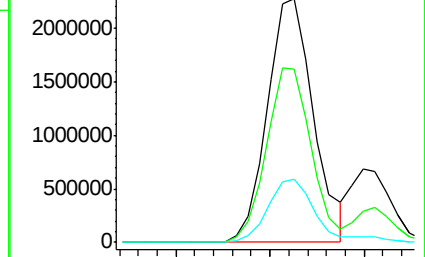
134 26.8 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 169.335 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008400.D

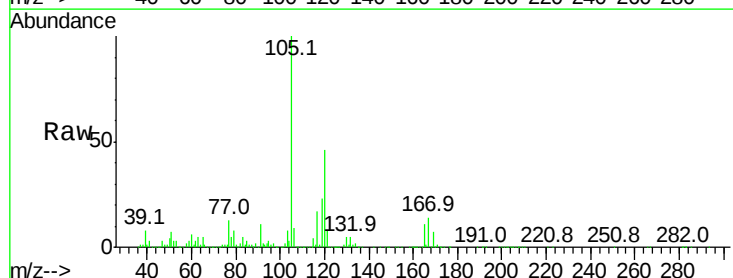
Acq: 24 Jan 2019 16:59

Tgt Ion:105 Resp: 4377313

Ion Ratio Lower Upper

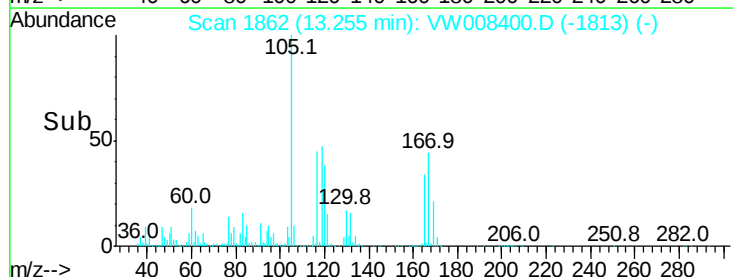
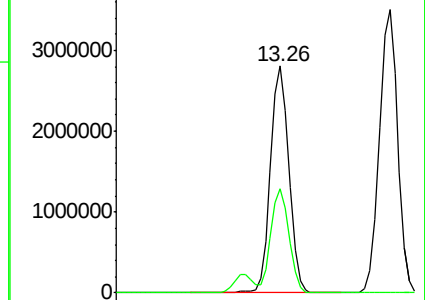
105 100

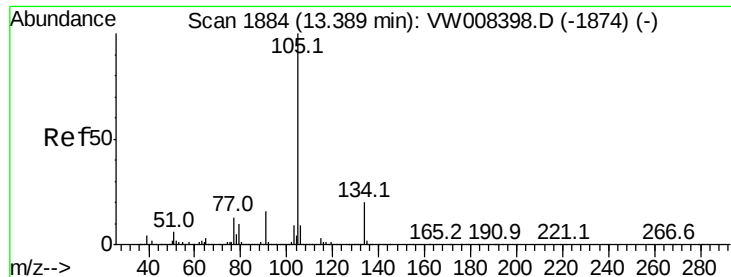
120 45.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 170.501 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

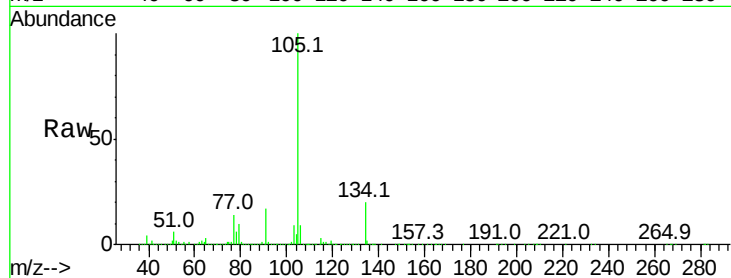
VSTDIC150

Tgt Ion:105 Resp: 5467439

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

4000000

3000000

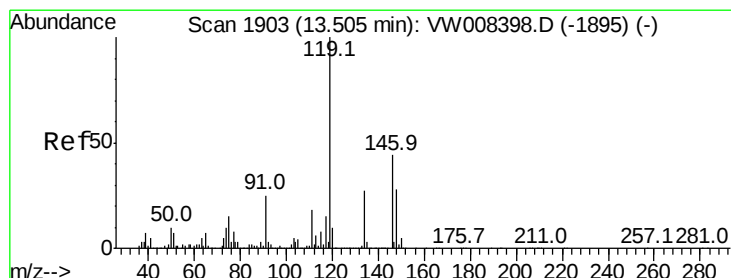
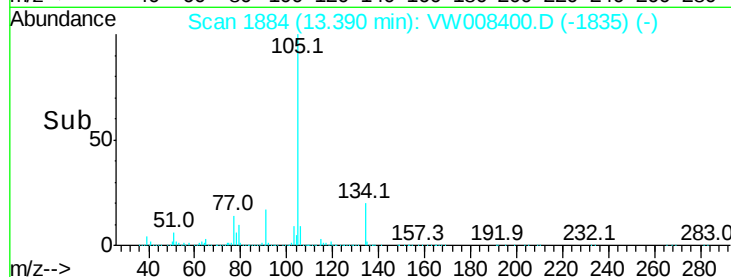
2000000

1000000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 168.926 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

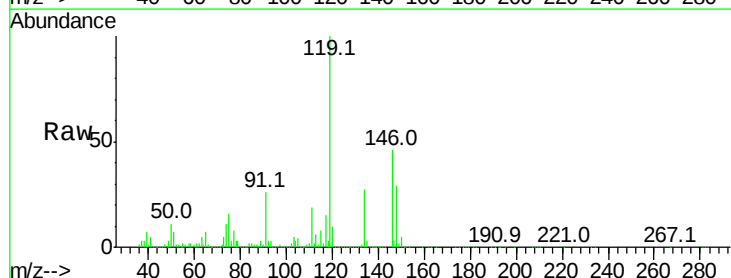
Tgt Ion:119 Resp: 4731202

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 25.8 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

4000000

3000000

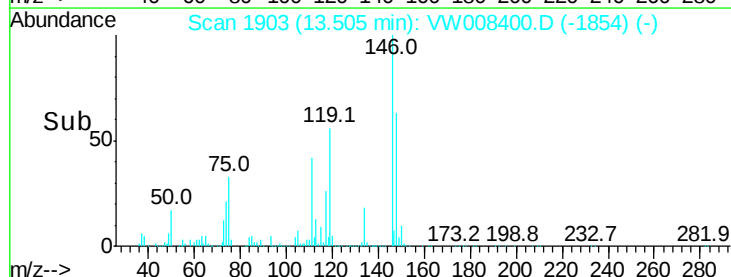
2000000

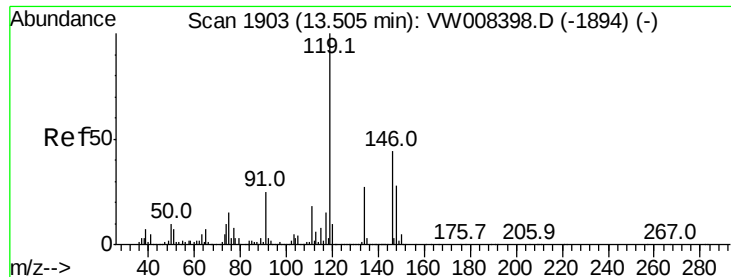
1000000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 153.508 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

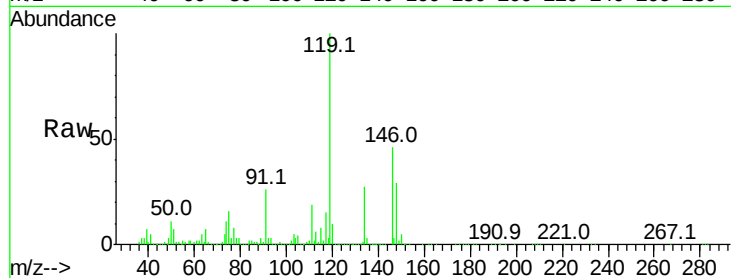
Tgt Ion:146 Resp: 2227813

Ion Ratio Lower Upper

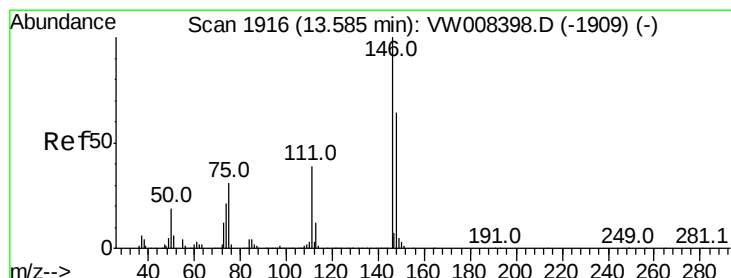
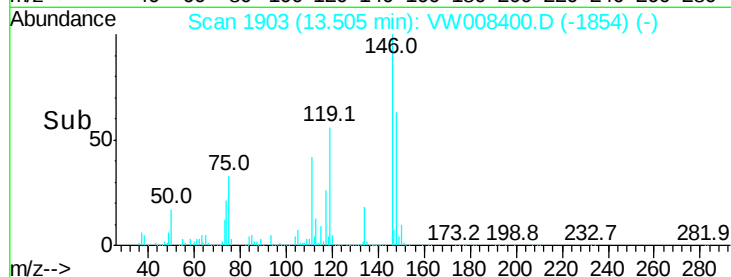
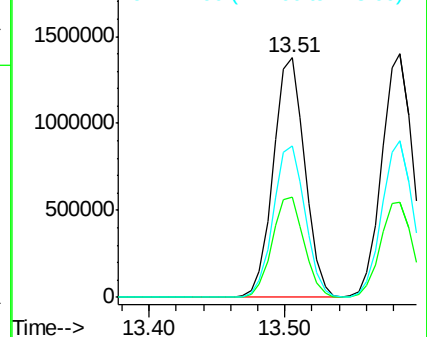
146 100

111 42.4 20.3 60.9

148 63.9 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 153.015 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

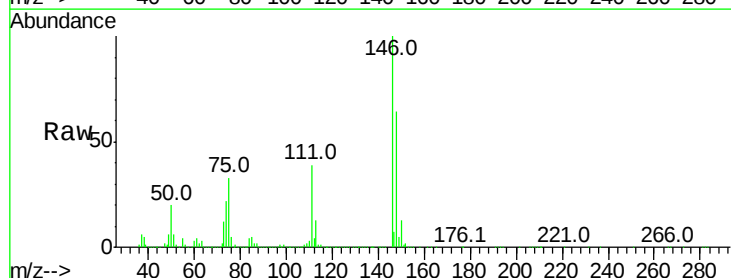
Tgt Ion:146 Resp: 2224767

Ion Ratio Lower Upper

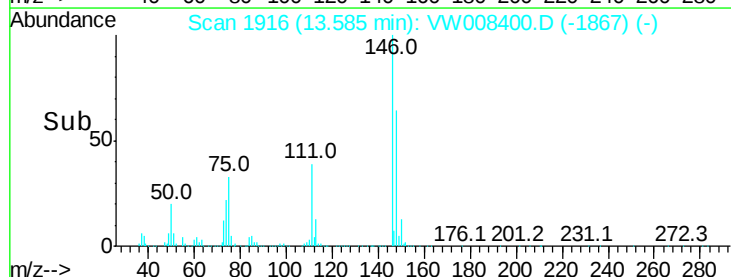
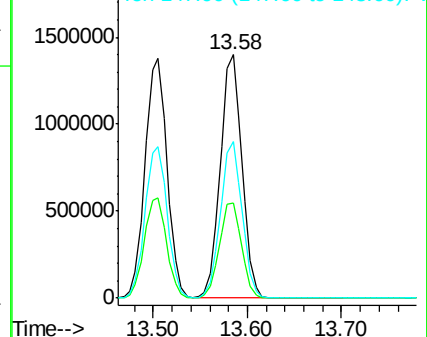
146 100

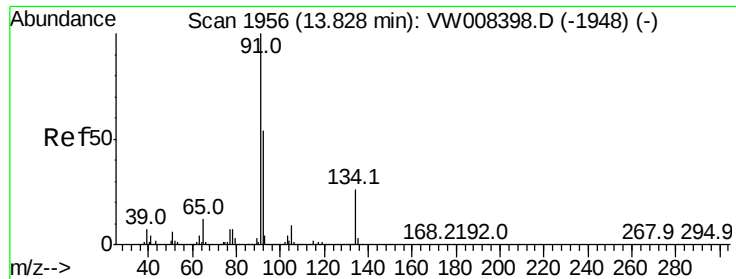
111 40.0 20.0 60.0

148 63.9 32.0 96.2



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





#89

n-Butylbenzene

Concen: 175.465 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

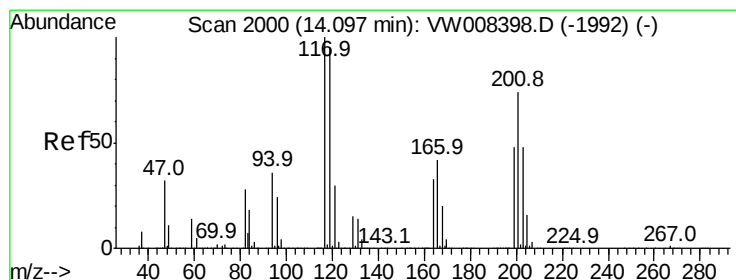
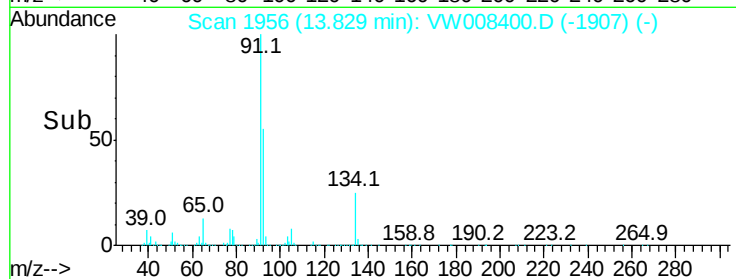
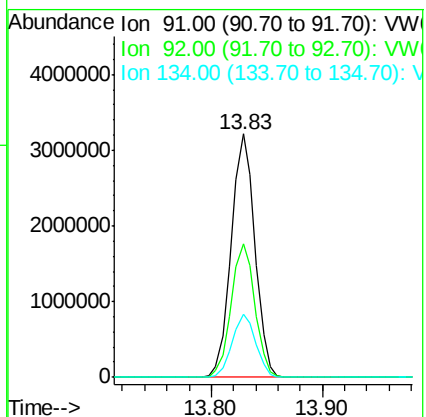
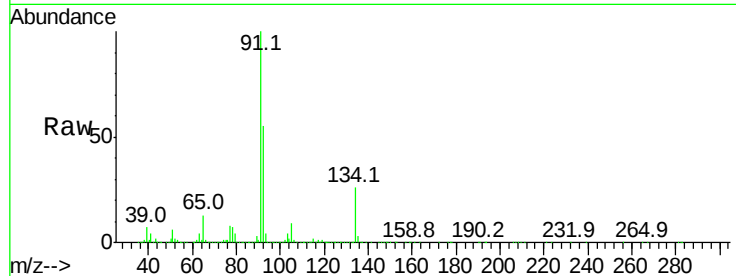
MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 4713926

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.4	82.2
134	25.9	13.0	39.0



#90

Hexachloroethane

Concen: 178.001 ug/l

RT: 14.10 min Scan# 2000

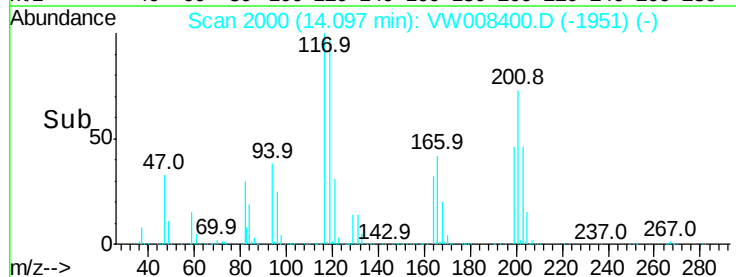
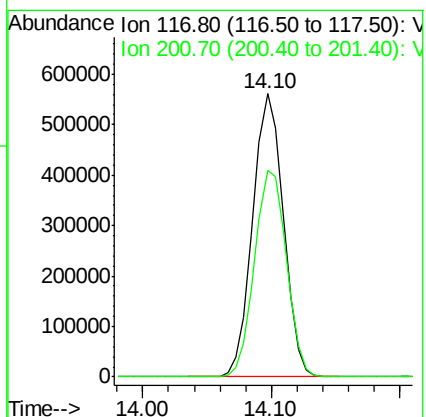
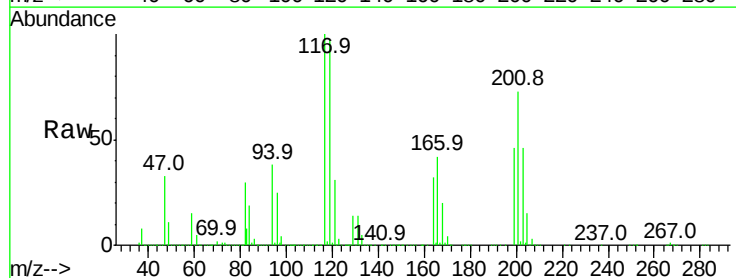
Delta R.T. 0.00 min

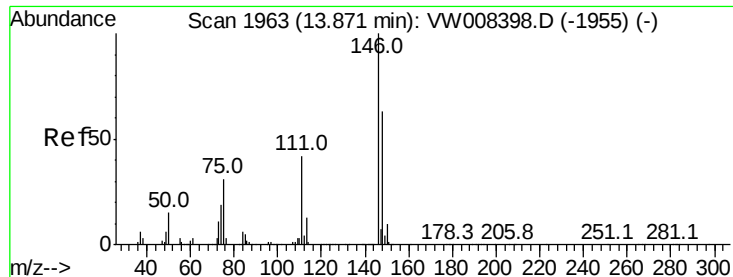
Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Tgt Ion: 117 Resp: 922601

Ion	Ratio	Lower	Upper
117	100		
201	75.9	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 156.952 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

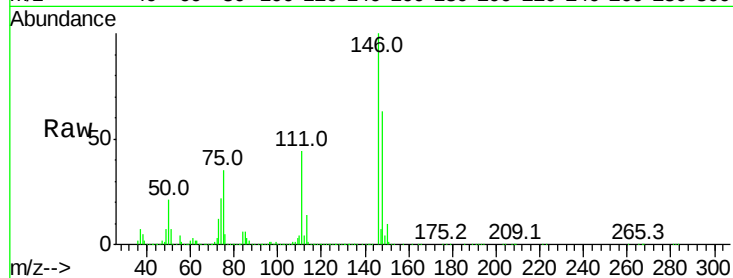
Tgt Ion:146 Resp: 2011063

Ion Ratio Lower Upper

146 100

111 43.2 21.1 63.3

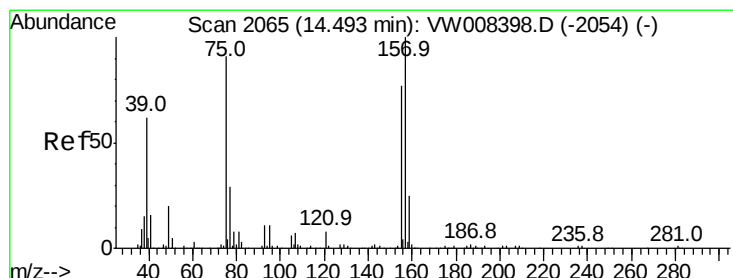
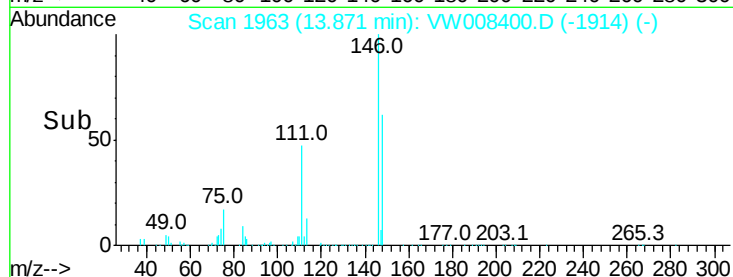
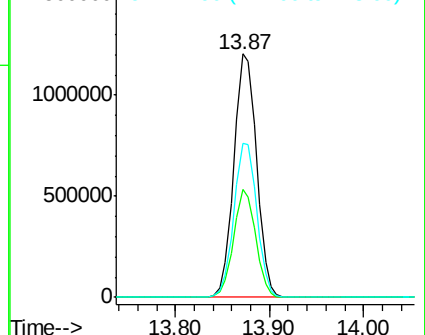
148 63.9 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 176.443 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

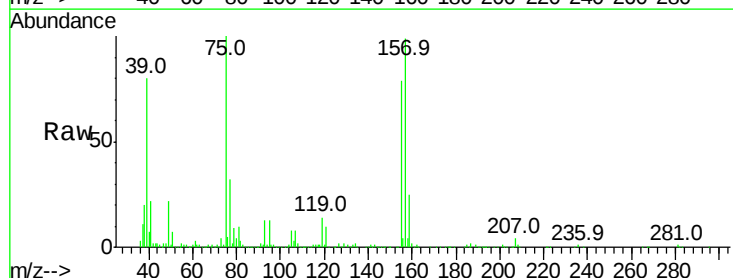
Tgt Ion: 75 Resp: 149228

Ion Ratio Lower Upper

75 100

155 82.9 42.7 128.1

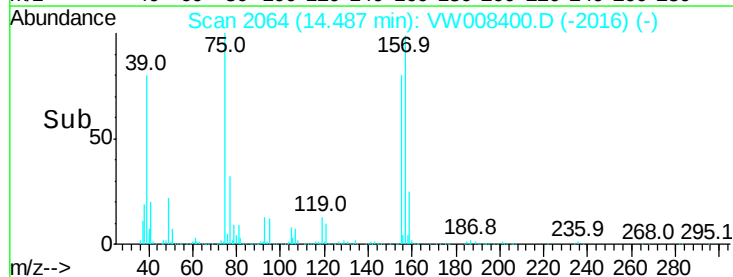
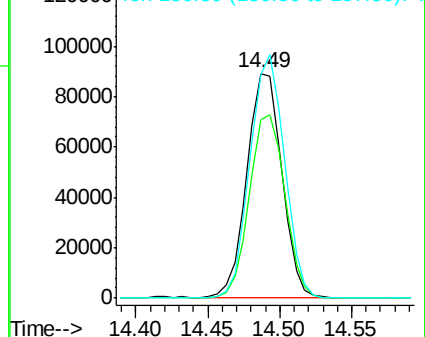
157 107.0 55.5 166.3

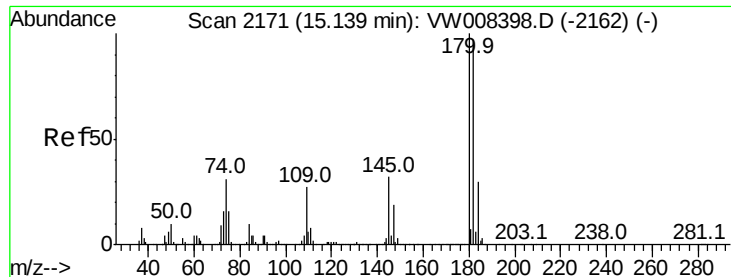


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

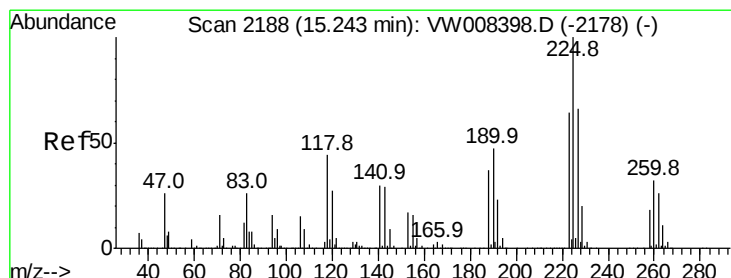
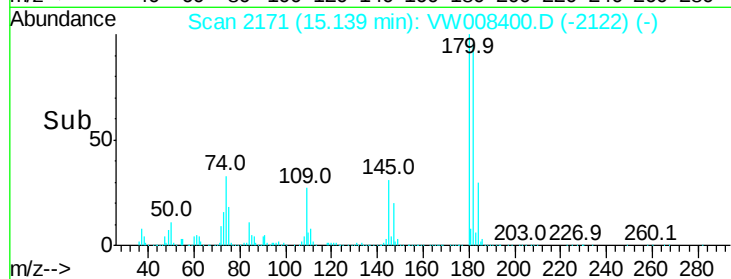
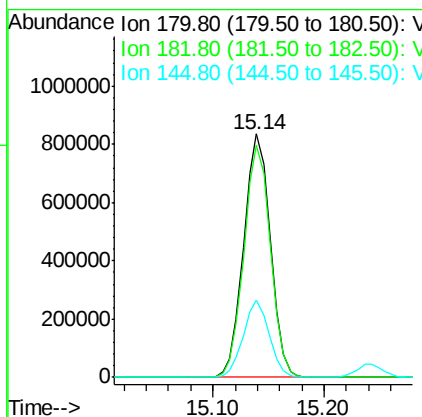
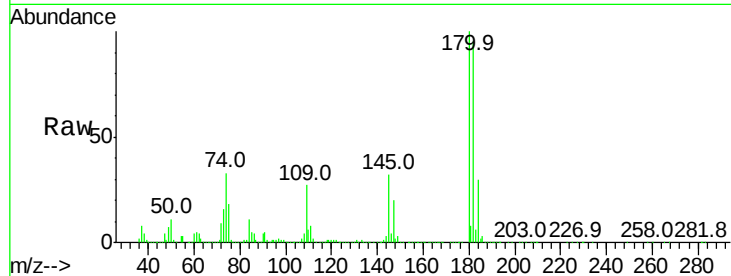




#93
 1,2,4-Trichlorobenzene
 Concen: 160.259 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

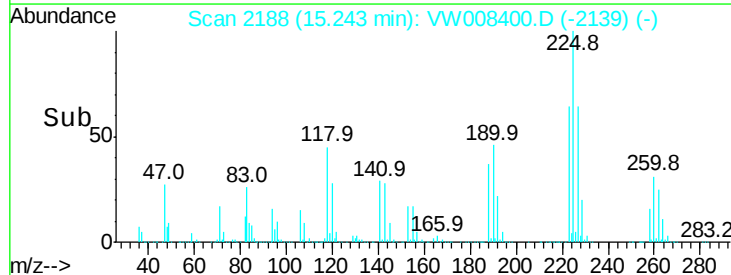
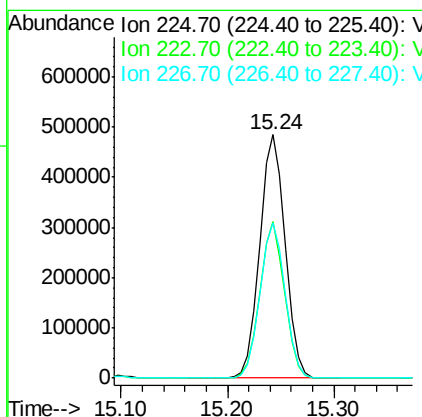
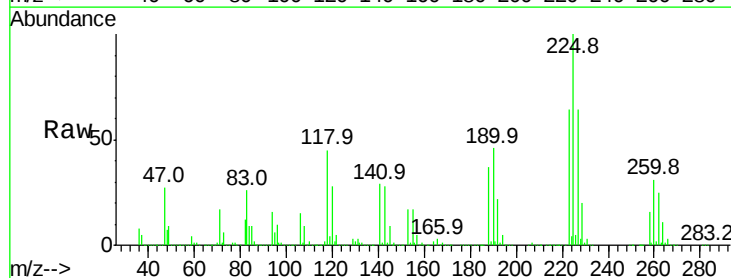
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

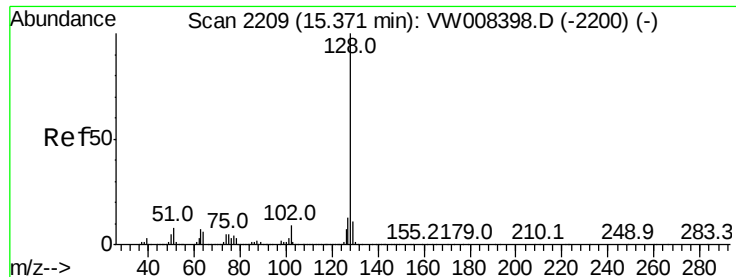
Tgt Ion:180 Resp: 1390053
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.9 143.7
 145 30.7 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 165.543 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008400.D
 Acq: 24 Jan 2019 16:59

Tgt Ion:225 Resp: 809238
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.7 95.1
 227 63.1 32.1 96.3





#95

Naphthalene

Concen: 173.149 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

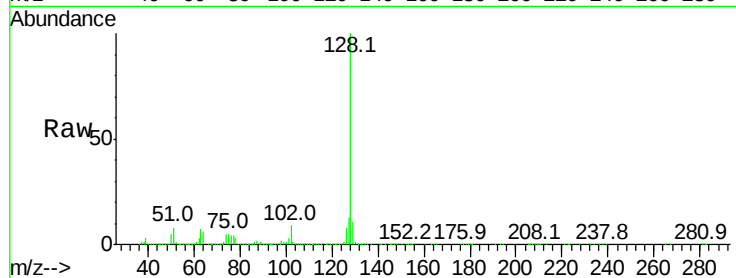
Tgt Ion:128 Resp: 2509614

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

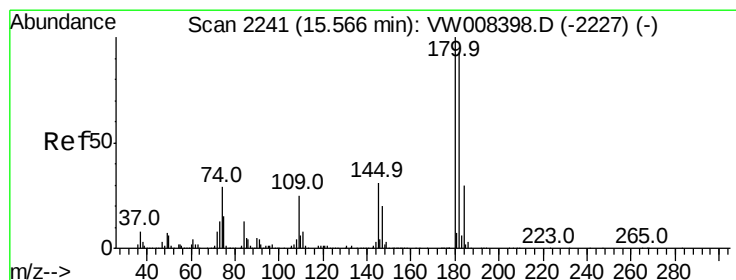
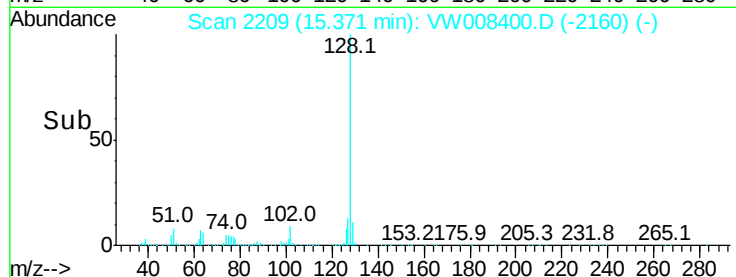
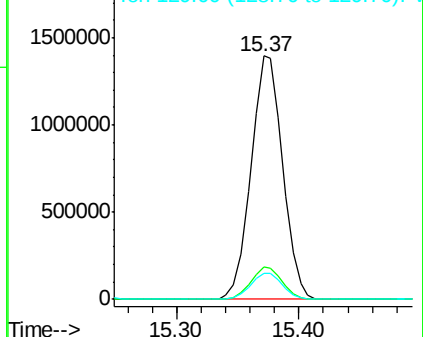
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 157.013 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW008400.D

Acq: 24 Jan 2019 16:59

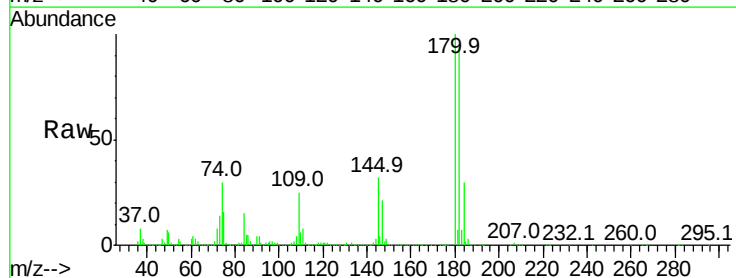
Tgt Ion:180 Resp: 1186243

Ion Ratio Lower Upper

180 100

182 95.0 47.0 141.2

145 32.6 15.9 47.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

