

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057902.D
 Acq On : 11 Sep 2019 6:38
 Operator : JC/SP
 Sample : VN0911WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Quant Time: Sep 11 07:17:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	302344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	513280	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	478871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270709	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	323553	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	7.57	113	228031	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.09	98	936112	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.40	95	322762	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	85932	20.552	ug/l 98
3) Chloromethane	2.03	50	80470	18.882	ug/l 97
4) Vinyl Chloride	2.16	62	85588	18.976	ug/l 98
5) Bromomethane	2.54	94	47100	18.030	ug/l 90
6) Chloroethane	2.68	64	55147	19.188	ug/l 99
7) Trichlorofluoromethane	2.99	101	105787	18.637	ug/l 98
8) Diethyl Ether	3.39	74	46915	19.817	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72117	20.141	ug/l 97
10) Methyl Iodide	3.93	142	56915	14.284	ug/l 100
11) Tert butyl alcohol	4.77	59	76766	103.574	ug/l 100
12) 1,1-Dichloroethene	3.71	96	61359	19.059	ug/l 98
13) Acrolein	3.59	56	45352	72.124	ug/l 99
14) Allyl chloride	4.30	41	108432	17.210	ug/l 97
15) Acrylonitrile	4.96	53	204704	100.484	ug/l 100
16) Acetone	3.80	43	176504	87.923	ug/l 96
17) Carbon Disulfide	4.03	76	86238	17.315	ug/l 98
18) Methyl Acetate	4.30	43	112333	20.987	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	279565	20.866	ug/l 97
20) Methylene Chloride	4.53	84	82823	20.957	ug/l 94
21) trans-1,2-Dichloroethene	5.02	96	67366	19.357	ug/l 92
22) Diisopropyl ether	5.93	45	302604	20.481	ug/l 97
23) Vinyl Acetate	5.87	43	1052045	100.471	ug/l 99
24) 1,1-Dichloroethane	5.83	63	163122	20.201	ug/l 100
25) 2-Butanone	6.82	43	285658	98.316	ug/l 97
26) 2,2-Dichloropropane	6.80	77	75968	11.888	ug/l 98
27) cis-1,2-Dichloroethene	6.81	96	94738	20.313	ug/l 95
28) Bromochloromethane	7.18	49	84408	20.923	ug/l 100
29) Tetrahydrofuran	7.19	42	181747	101.512	ug/l 99
30) Chloroform	7.36	83	171341	20.294	ug/l 100
31) Cyclohexane	7.64	56	117900	20.088	ug/l 95
32) 1,1,1-Trichloroethane	7.55	97	131450	19.630	ug/l 100
36) 1,1-Dichloropropene	7.78	75	110514	18.565	ug/l 98
37) Ethyl Acetate	6.91	43	113109	18.391	ug/l 98
38) Carbon Tetrachloride	7.76	117	101643	18.702	ug/l 98

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	108720	17.374	ug/l	97
40) Benzene	8.03	78	346056	19.310	ug/l	98
41) Methacrylonitrile	7.19	41	176689	63.289	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	143493	20.020	ug/l	100
43) Isopropyl Acetate	8.15	43	195749	18.926	ug/l #	90
44) Trichloroethene	8.83	130	83612	19.022	ug/l	97
45) 1,2-Dichloropropane	9.11	63	101029	19.373	ug/l	99
46) Dibromomethane	9.20	93	62954	19.977	ug/l	98
47) Bromodichloromethane	9.40	83	122625	19.487	ug/l	98
48) Methyl methacrylate	9.19	41	98469	18.769	ug/l	98
49) 1,4-Dioxane	9.19	88	33885	381.920	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	628363	102.665	ug/l	99
52) Toluene	10.15	92	217695	19.286	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	113356	17.106	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	129052	17.639	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	94684	19.803	ug/l	99
56) Ethyl methacrylate	10.43	69	137987	19.164	ug/l	98
57) 1,3-Dichloropropane	10.71	76	162775	19.754	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	342415	100.971	ug/l	99
59) 2-Hexanone	10.75	43	444374	96.865	ug/l	100
60) Dibromochloromethane	10.90	129	80946	18.231	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86731	19.187	ug/l	100
64) Tetrachloroethene	10.63	164	70877	20.046	ug/l	96
65) Chlorobenzene	11.43	112	244734	19.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	83873	19.287	ug/l	99
67) Ethyl Benzene	11.51	91	437730	19.930	ug/l	99
68) m/p-Xylenes	11.62	106	315871	39.262	ug/l	99
69) o-Xylene	11.95	106	162255	20.287	ug/l	98
70) Styrene	11.97	104	273874	19.897	ug/l	100
71) Bromoform	12.13	173	47973	17.694	ug/l #	99
73) Isopropylbenzene	12.25	105	437314	20.818	ug/l	100
74) N-amyl acetate	12.07	43	179323	19.615	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	138574	19.593	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	156395	25.538	ug/l #	100
77) Bromobenzene	12.53	156	103142	19.694	ug/l	96
78) n-propylbenzene	12.60	91	504997	20.936	ug/l	99
79) 2-Chlorotoluene	12.68	91	302935	19.870	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	370246	20.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25737	14.789	ug/l	89
82) 4-Chlorotoluene	12.78	91	307067	19.613	ug/l	99
83) tert-Butylbenzene	13.00	119	317818	20.144	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	367501	20.372	ug/l	100
85) sec-Butylbenzene	13.18	105	434258	20.767	ug/l	99
86) p-Isopropyltoluene	13.29	119	378208	20.527	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	188954	19.656	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	190901	19.564	ug/l	99
89) n-Butylbenzene	13.62	91	341523	19.628	ug/l	99
90) Hexachloroethane	13.88	117	51607	18.833	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	189049	19.685	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22389	19.168	ug/l	98

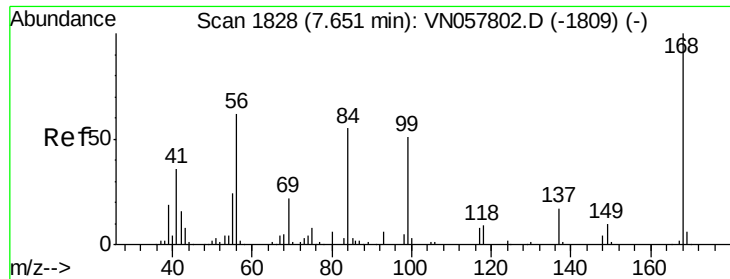
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Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109925	17.512	ug/l	97
94) Hexachlorobutadiene	15.01	225	49468	18.590	ug/l	97
95) Naphthalene	15.13	128	324910	19.546	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	107418	20.208	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

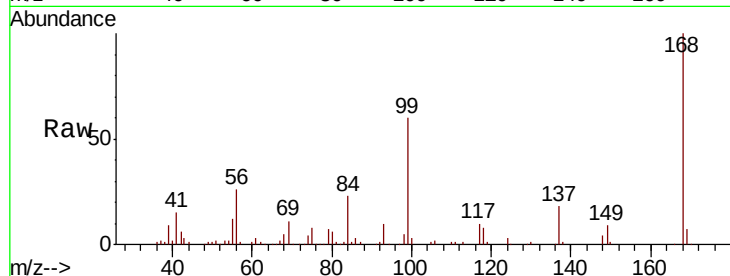
VN0911WBSD02

Tgt Ion: 168 Resp: 302344

Ion Ratio Lower Upper

168 100

99 60.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)

7.65

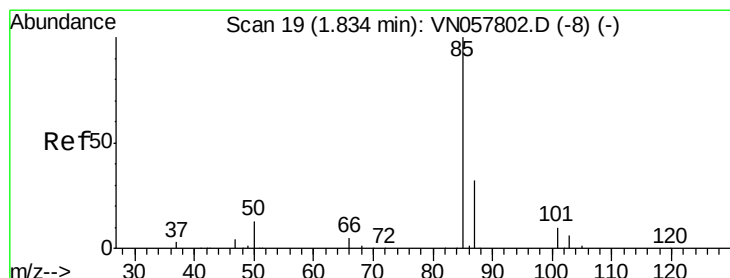
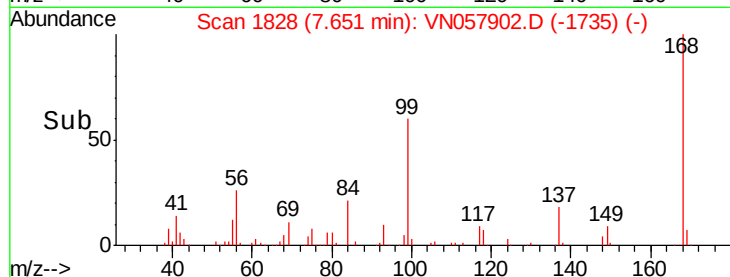
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.552 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057902.D

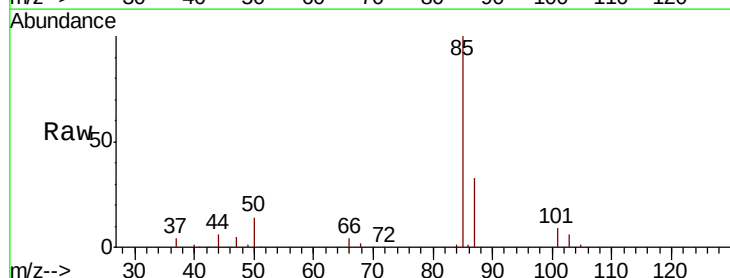
Acq: 11 Sep 2019 6:38

Tgt Ion: 85 Resp: 85932

Ion Ratio Lower Upper

85 100

87 33.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VN057802.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN057802.D (-8) (-)

1.83

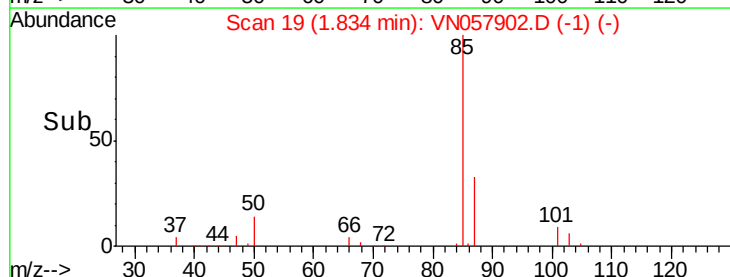
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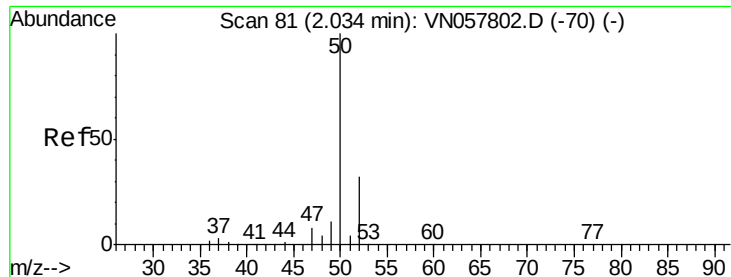
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.882 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

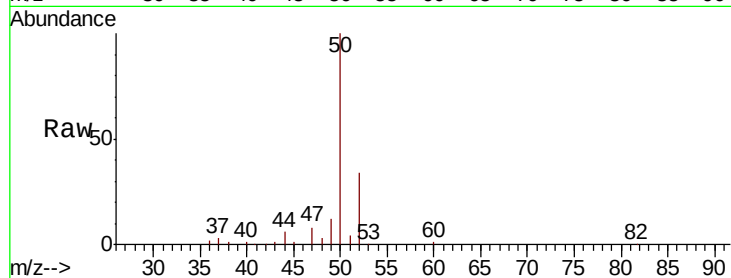
VN0911WBSD02

Tgt Ion: 50 Resp: 80470

Ion Ratio Lower Upper

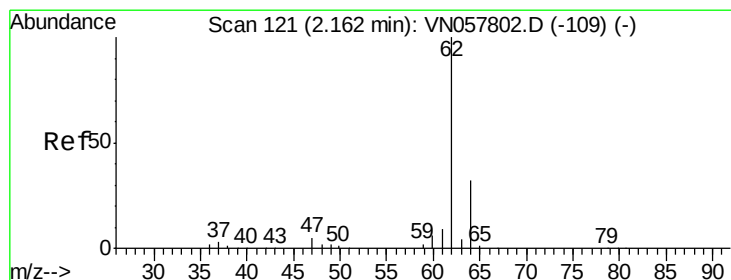
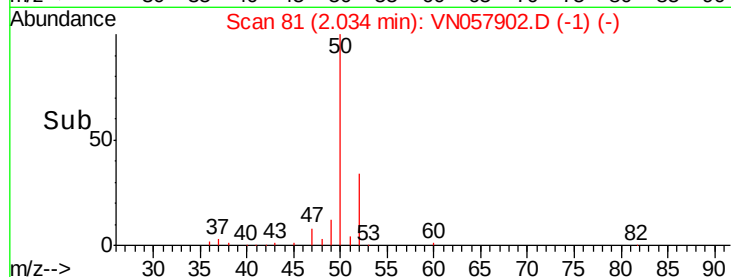
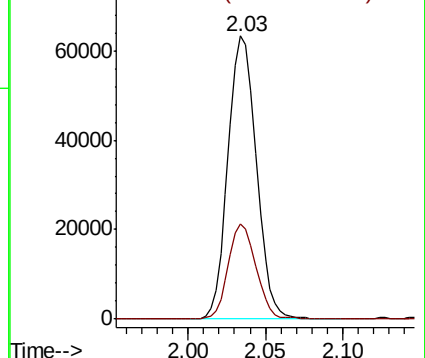
50 100

52 33.8 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.976 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057902.D

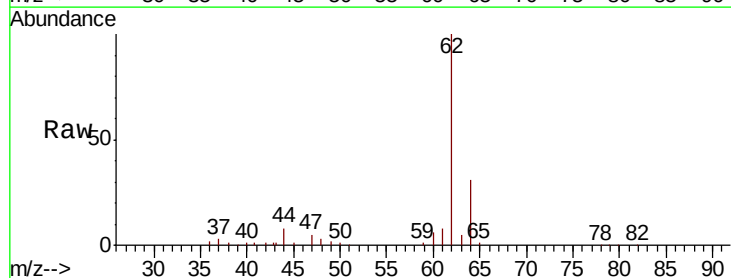
Acq: 11 Sep 2019 6:38

Tgt Ion: 62 Resp: 85588

Ion Ratio Lower Upper

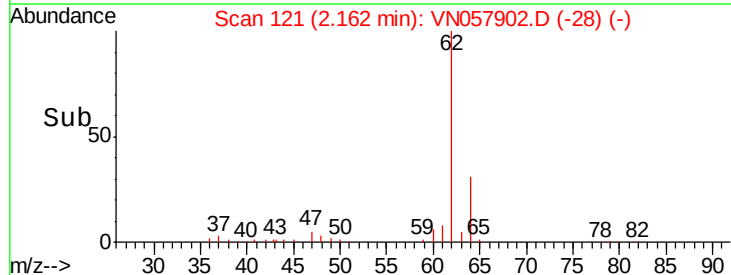
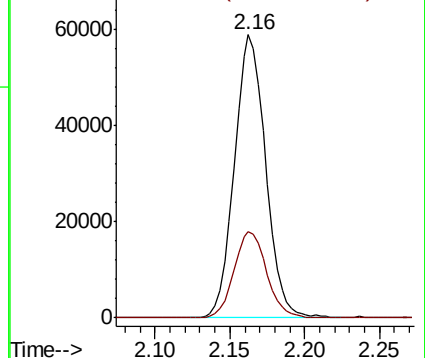
62 100

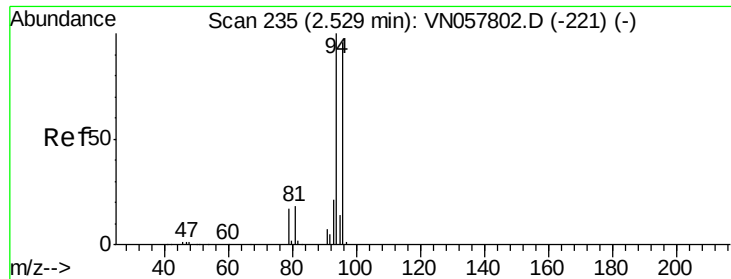
64 30.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.030 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

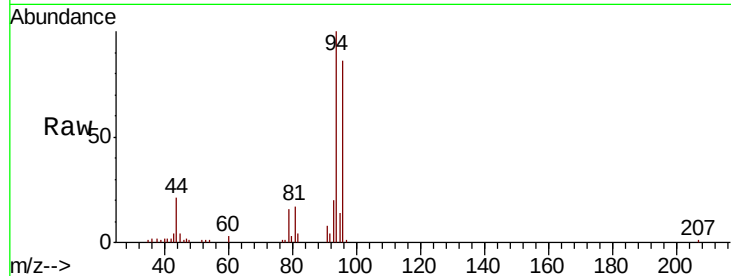
VN0911WBSD02

Tgt Ion: 94 Resp: 47100

Ion Ratio Lower Upper

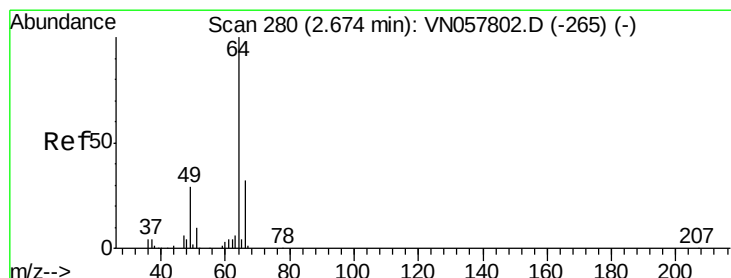
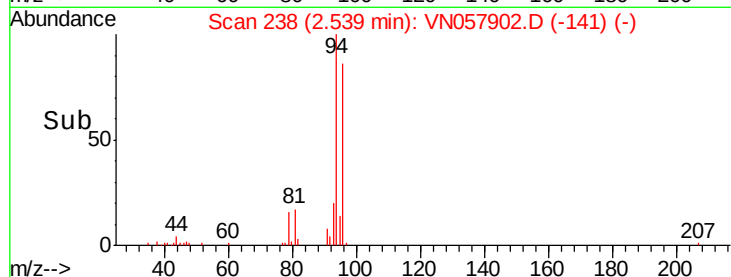
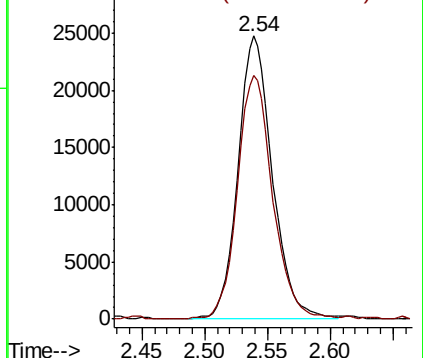
94 100

96 86.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.188 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN057902.D

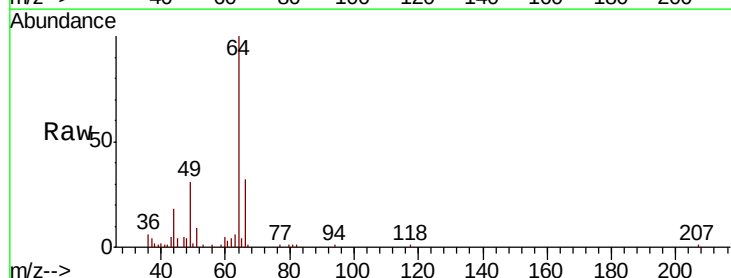
Acq: 11 Sep 2019 6:38

Tgt Ion: 64 Resp: 55147

Ion Ratio Lower Upper

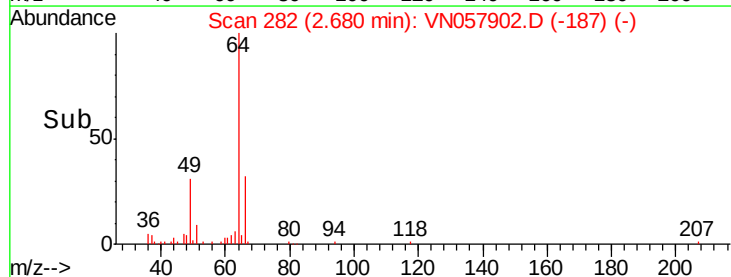
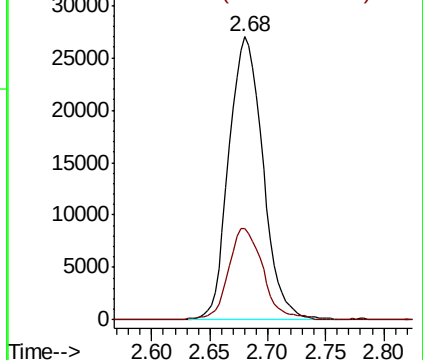
64 100

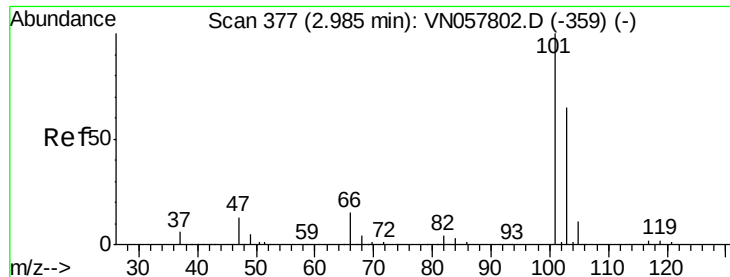
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



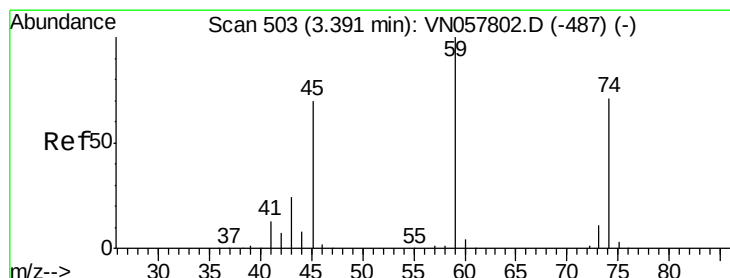
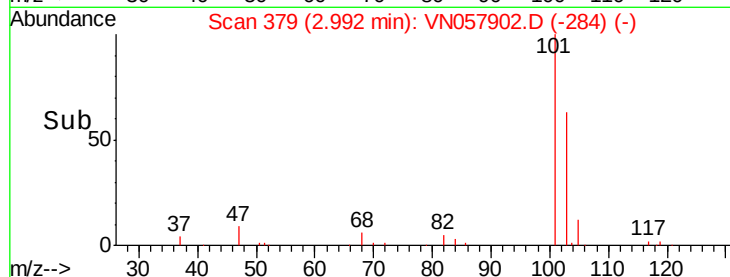
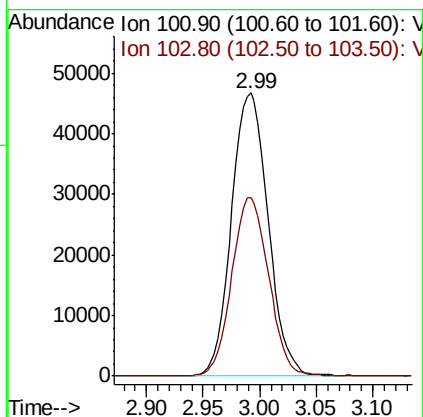
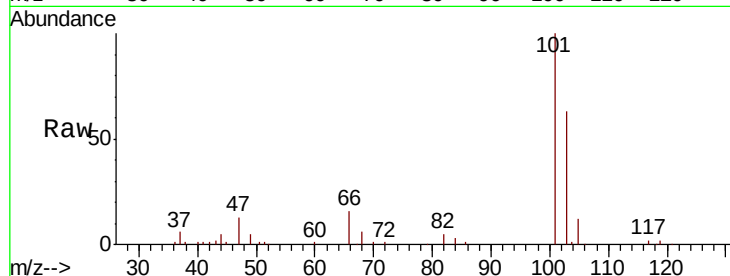


#7

Trichlorofluoromethane
 Concen: 18.637 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.01 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
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 VN0911WBSD02

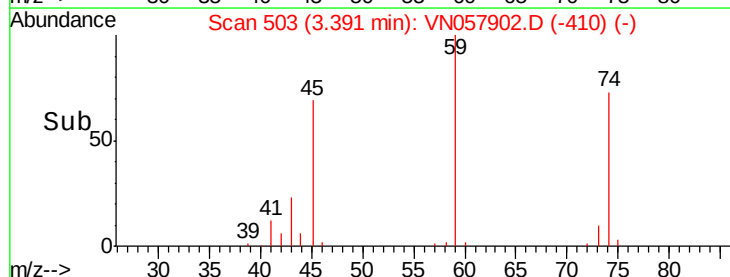
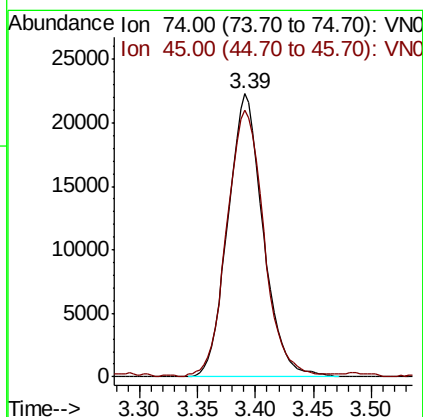
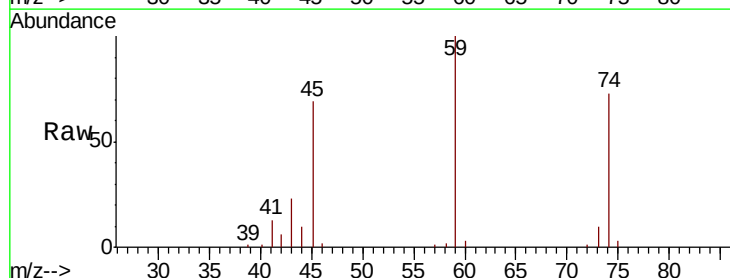
Tgt Ion: 101 Resp: 105787
 Ion Ratio Lower Upper
 101 100
 103 63.2 51.9 77.9

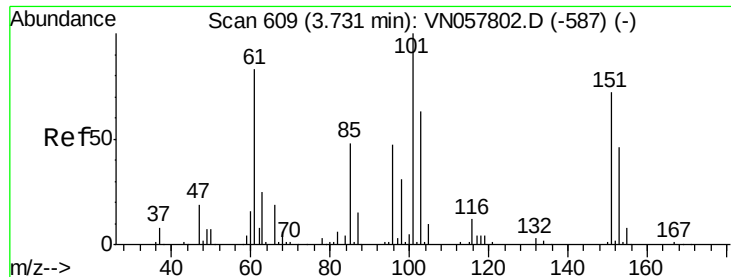


#8

Diethyl Ether
 Concen: 19.817 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 74 Resp: 46915
 Ion Ratio Lower Upper
 74 100
 45 99.1 50.3 151.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.141 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

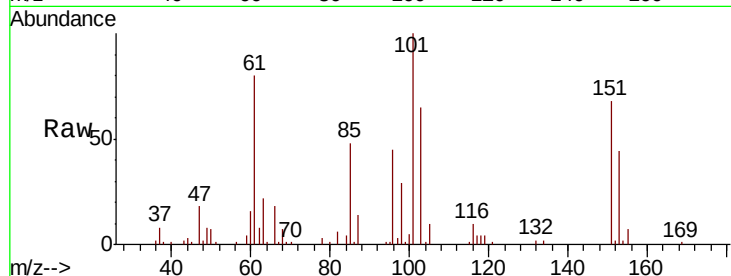
Tgt Ion:101 Resp: 72117

Ion Ratio Lower Upper

101 100

85 45.8 38.1 57.1

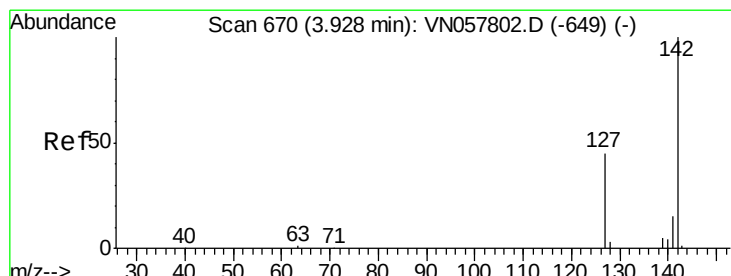
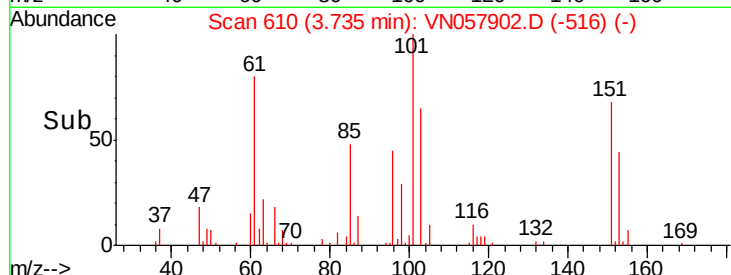
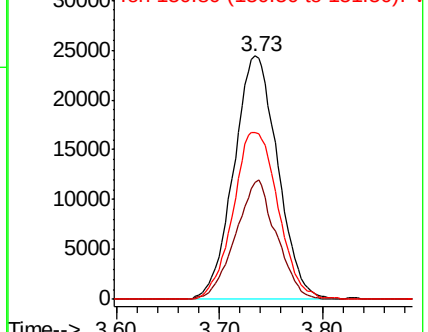
151 70.4 58.4 87.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.284 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

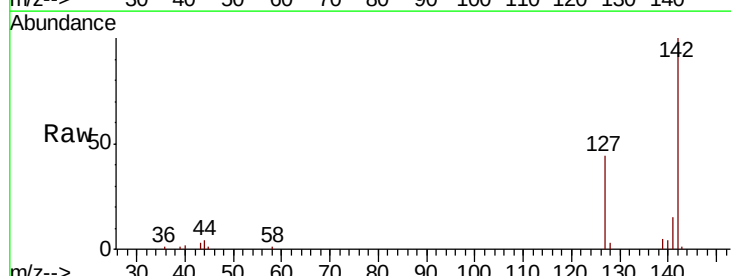
Tgt Ion:142 Resp: 56915

Ion Ratio Lower Upper

142 100

127 45.9 36.7 55.1

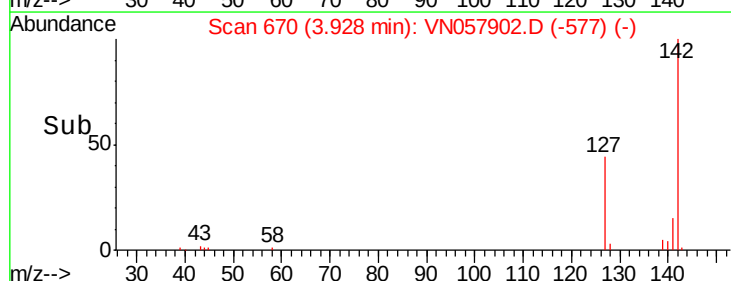
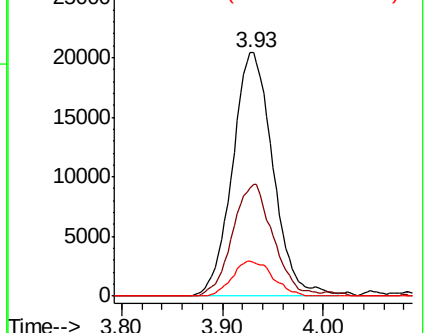
141 14.4 11.4 17.0

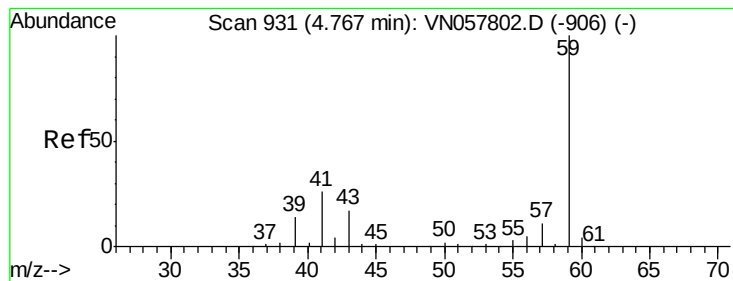


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 103.574 ug/l

RT: 4.77 min Scan# 932

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

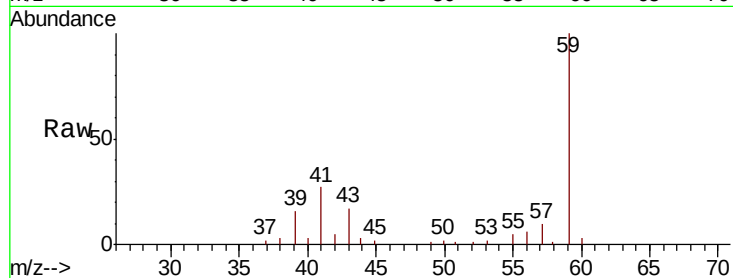
VN0911WBSD02

Tgt Ion: 59 Resp: 76766

Ion Ratio Lower Upper

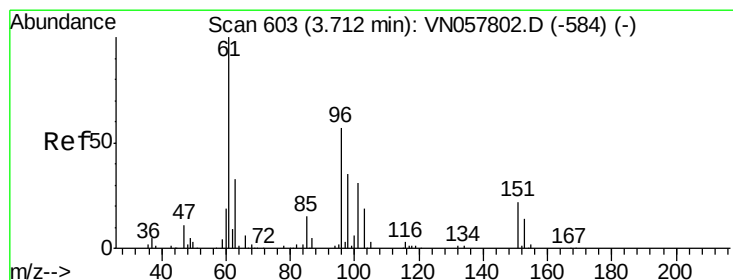
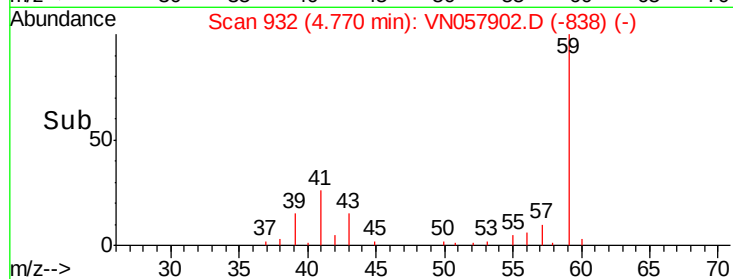
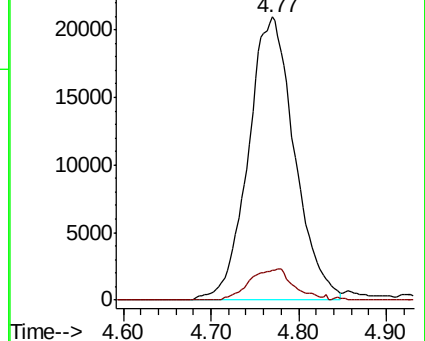
59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 19.059 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

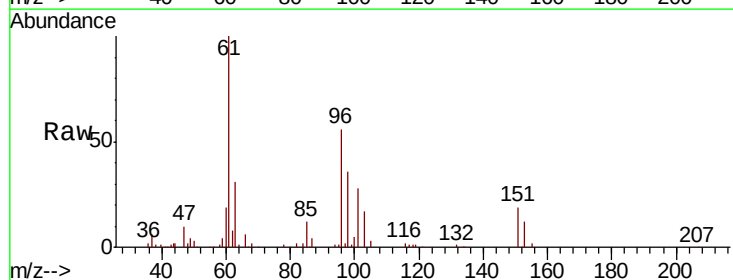
Tgt Ion: 96 Resp: 61359

Ion Ratio Lower Upper

96 100

61 179.0 141.2 211.8

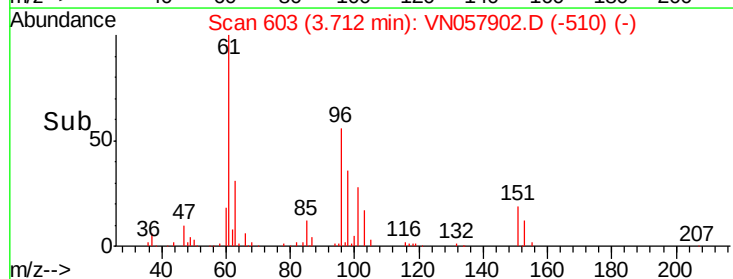
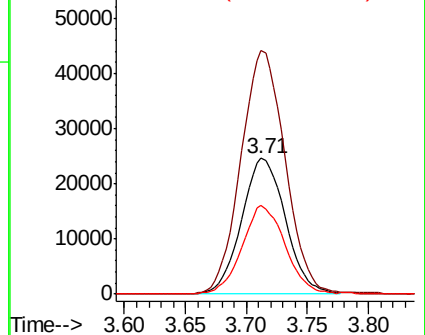
98 64.9 49.9 74.9

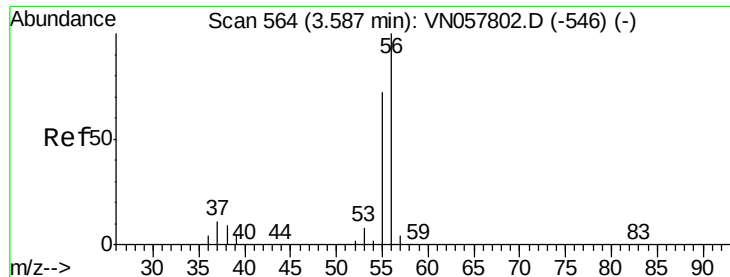


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 72.124 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

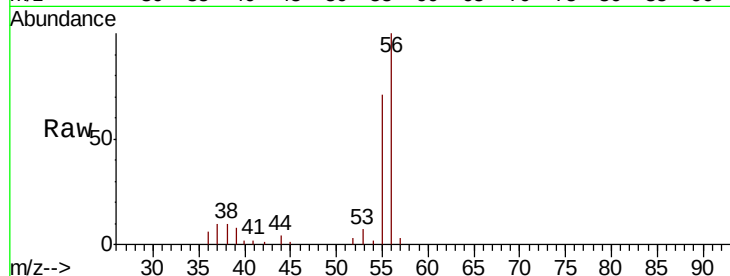
VN0911WBSD02

Tgt Ion: 56 Resp: 45352

Ion Ratio Lower Upper

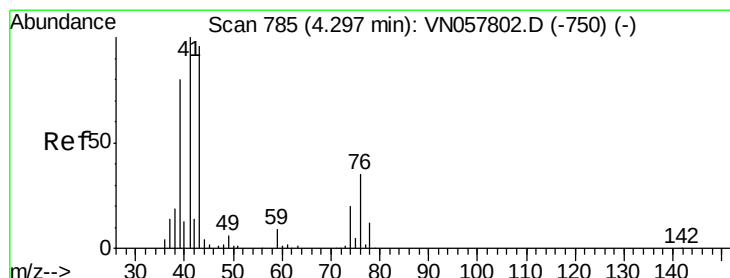
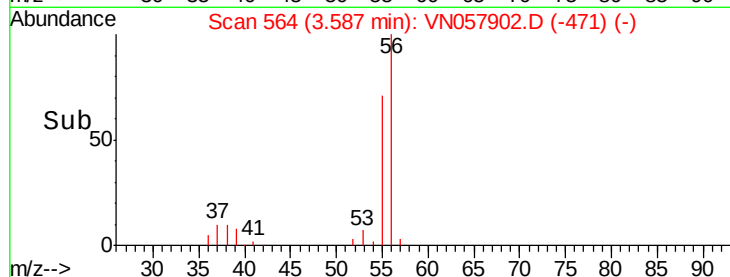
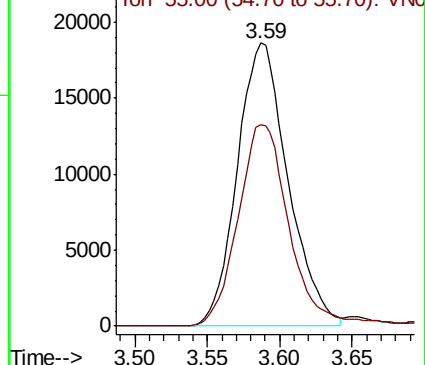
56 100

55 72.4 57.3 85.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.210 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

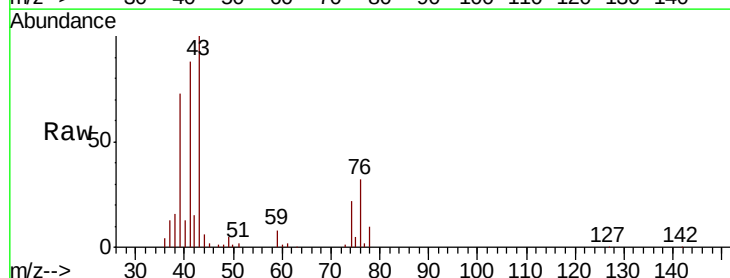
Tgt Ion: 41 Resp: 108432

Ion Ratio Lower Upper

41 100

39 78.3 59.4 89.2

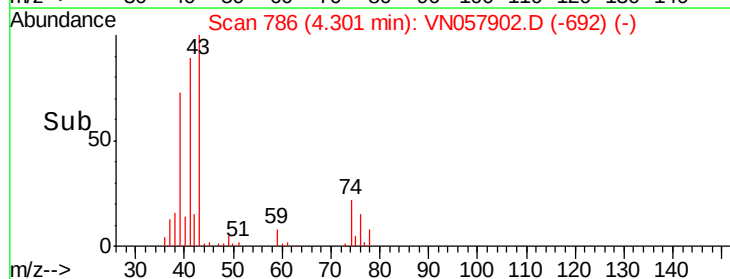
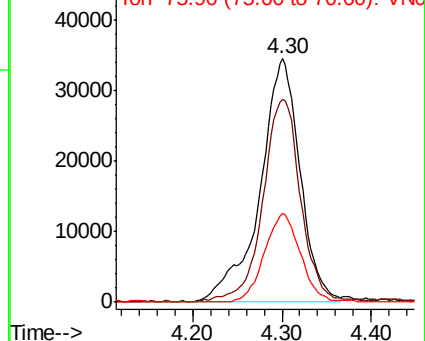
76 32.3 26.0 39.0

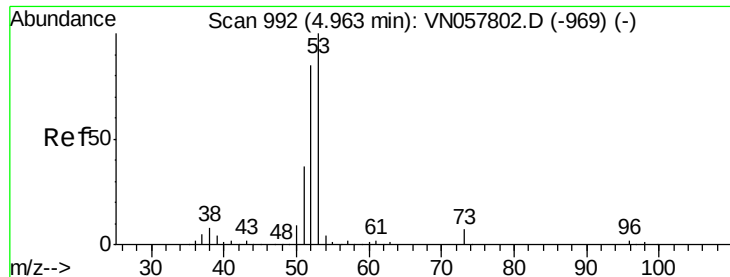


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.484 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

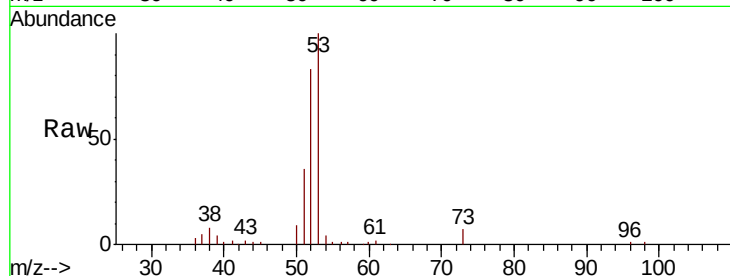
Tgt Ion: 53 Resp: 204704

Ion Ratio Lower Upper

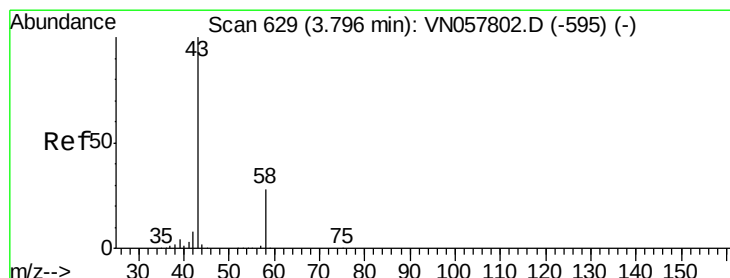
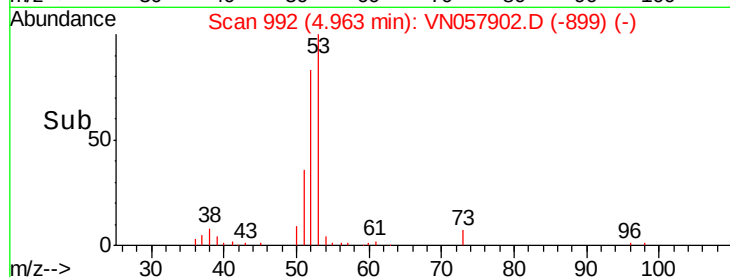
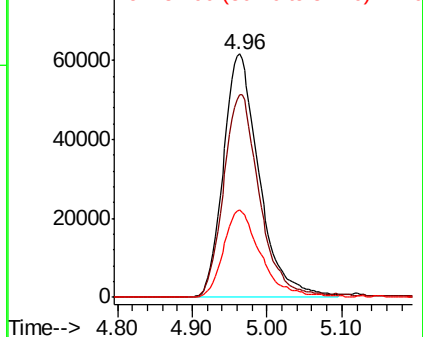
53 100

52 83.7 66.6 100.0

51 37.0 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 87.923 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057902.D

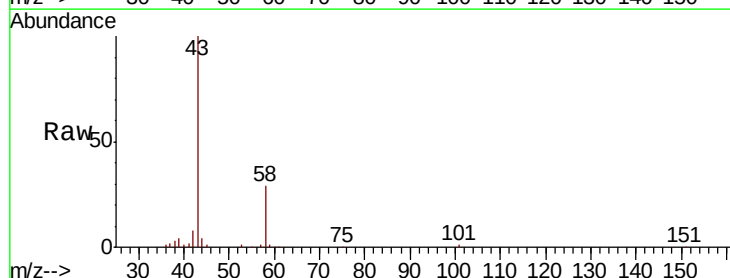
Acq: 11 Sep 2019 6:38

Tgt Ion: 43 Resp: 176504

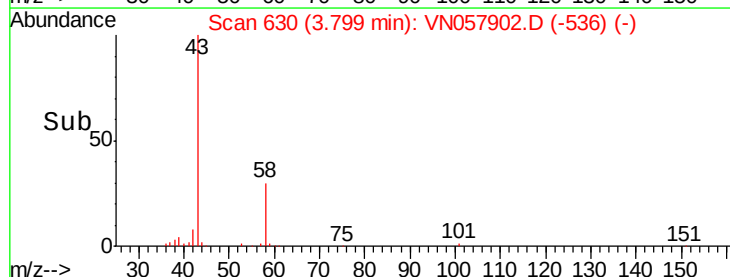
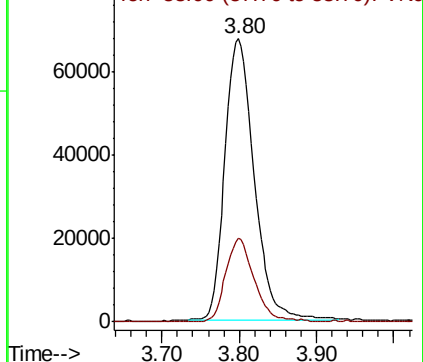
Ion Ratio Lower Upper

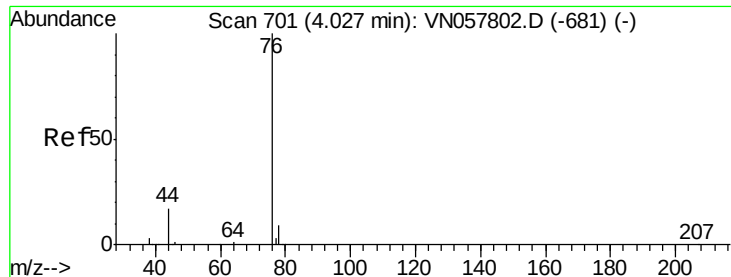
43 100

58 29.7 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

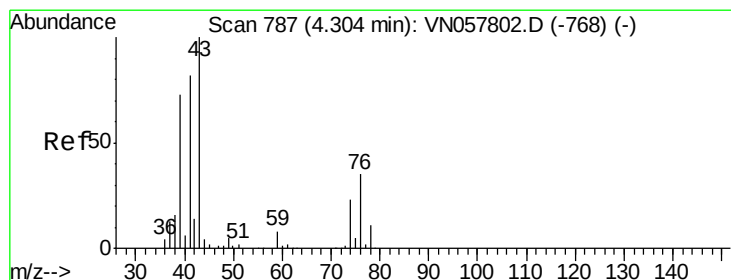
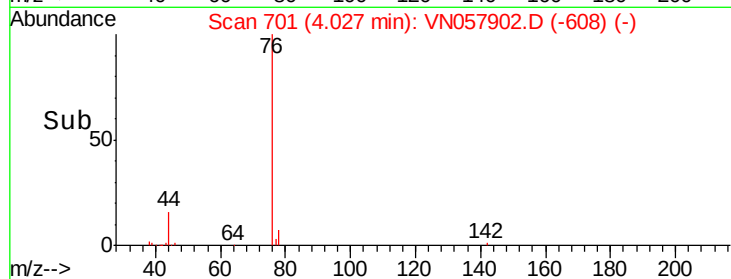
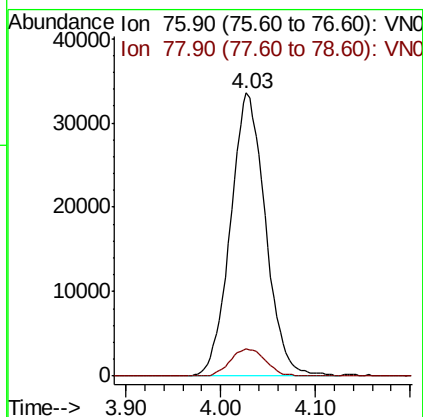
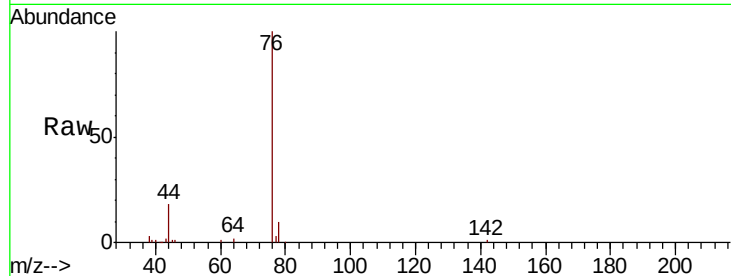




#17
Carbon Disulfide
Concen: 17.315 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

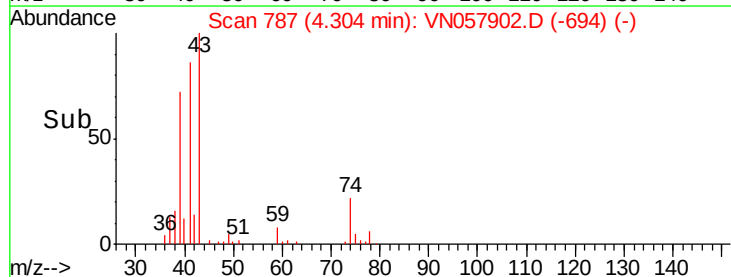
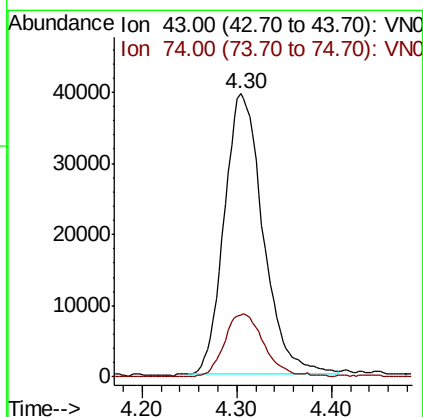
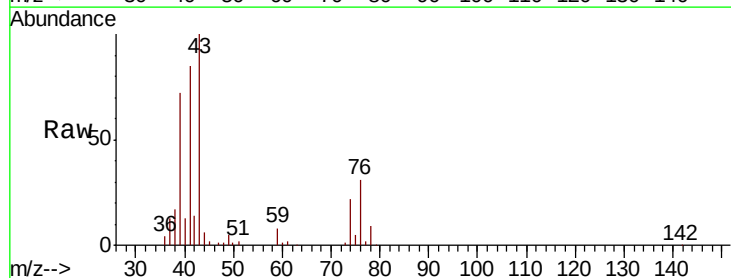
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

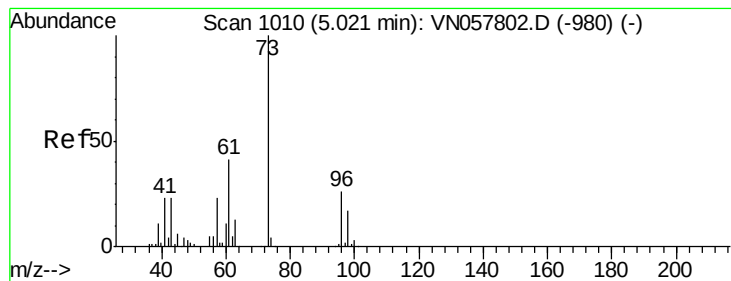
Tgt Ion: 76 Resp: 86238
Ion Ratio Lower Upper
76 100
78 9.5 7.1 10.7



#18
Methyl Acetate
Concen: 20.987 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 43 Resp: 112333
Ion Ratio Lower Upper
43 100
74 22.7 17.9 26.9





#19

Methyl tert-butyl Ether

Concen: 20.866 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

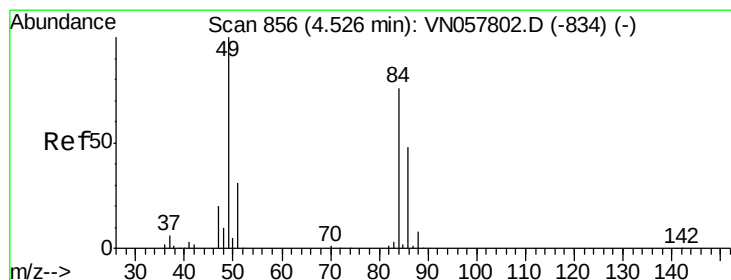
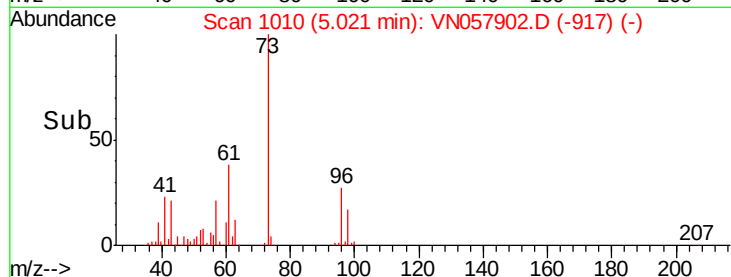
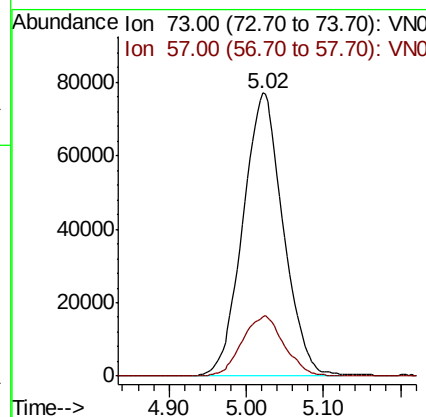
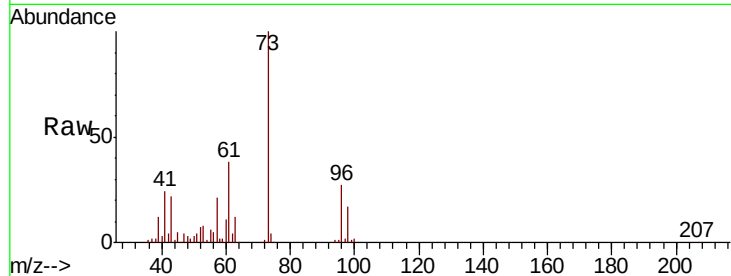
VN0911WBSD02

Tgt Ion: 73 Resp: 279565

Ion Ratio Lower Upper

73 100

57 21.1 18.2 27.2



#20

Methylene Chloride

Concen: 20.957 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion: 84 Resp: 82823

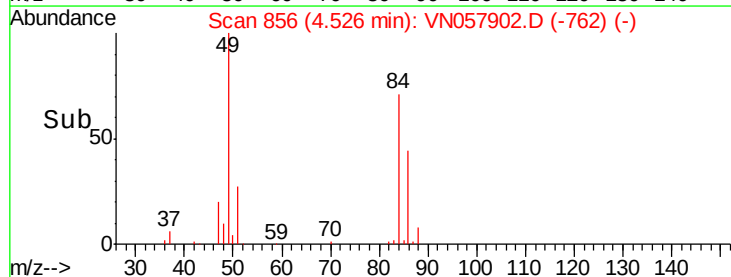
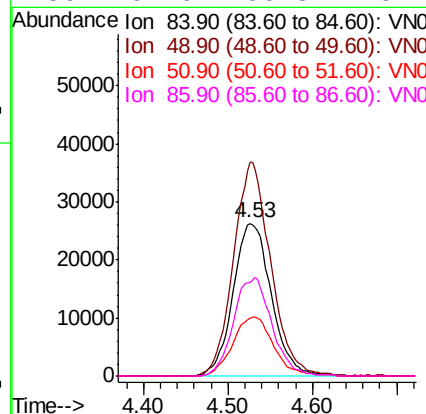
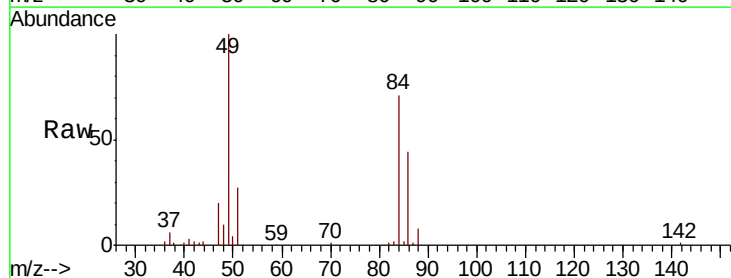
Ion Ratio Lower Upper

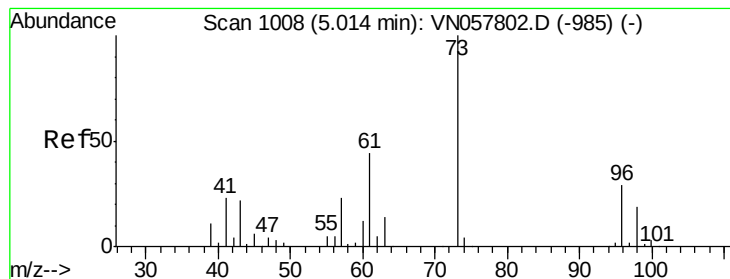
84 100

49 140.1 104.8 157.2

51 37.9 33.0 49.4

86 61.6 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.357 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

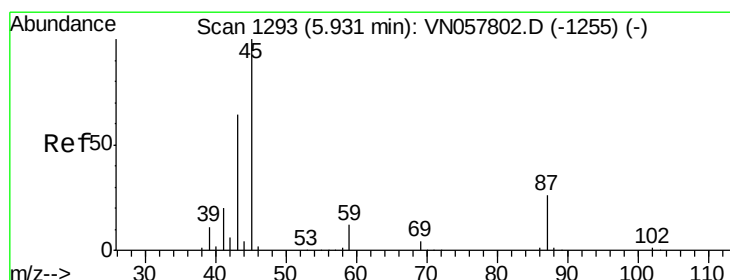
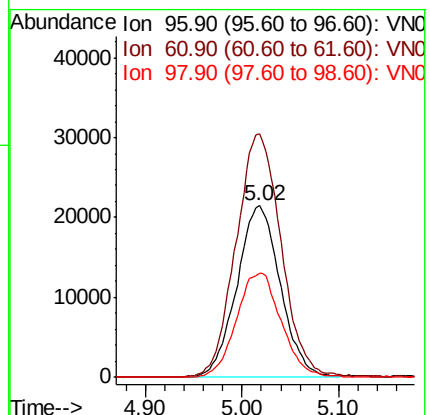
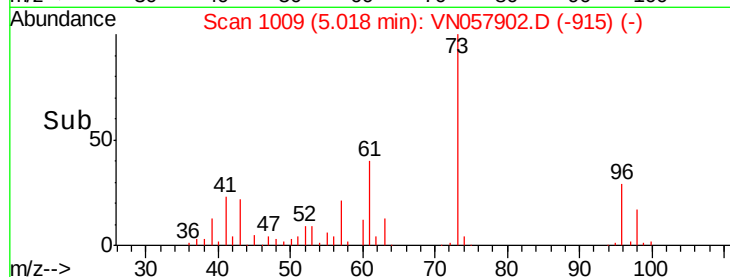
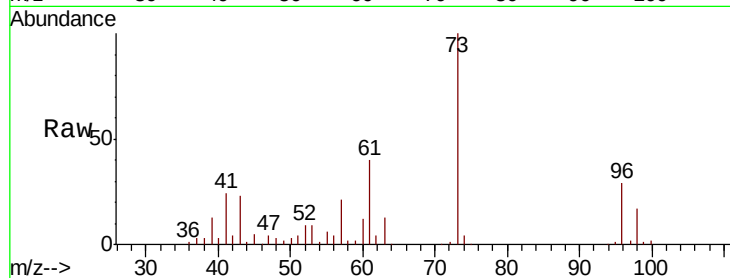
Tgt Ion: 96 Resp: 67366

Ion Ratio Lower Upper

96 100

61 141.0 121.9 182.9

98 60.3 52.2 78.4



#22

Diisopropyl ether

Concen: 20.481 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Tgt Ion: 45 Resp: 302604

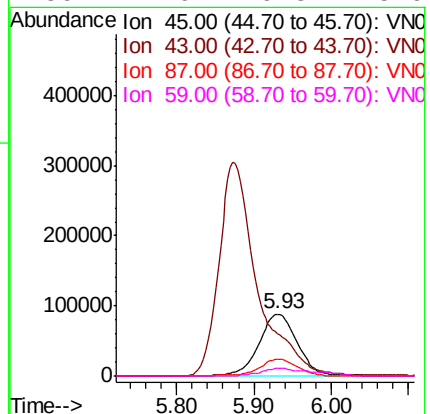
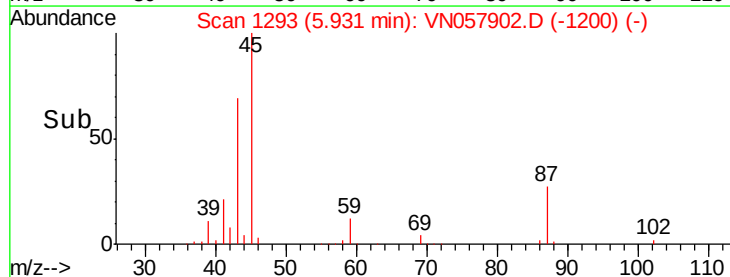
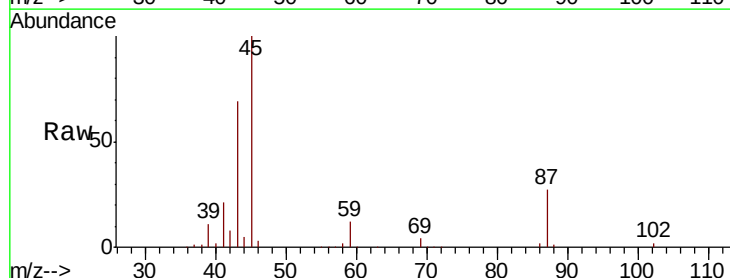
Ion Ratio Lower Upper

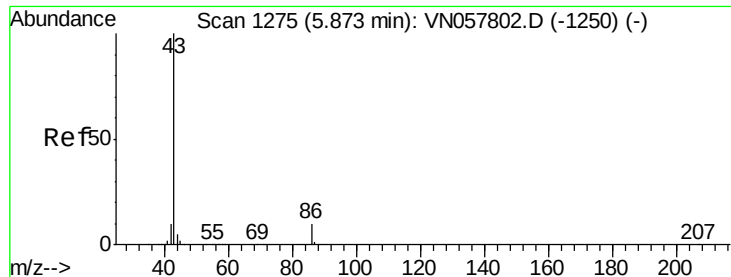
45 100

43 67.9 51.4 77.2

87 26.6 21.3 31.9

59 11.6 9.3 13.9





#23

Vinyl Acetate

Concen: 100.471 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

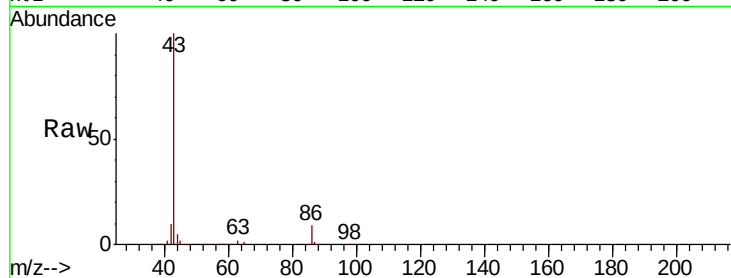
VN0911WBSD02

Tgt Ion: 43 Resp: 1052045

Ion Ratio Lower Upper

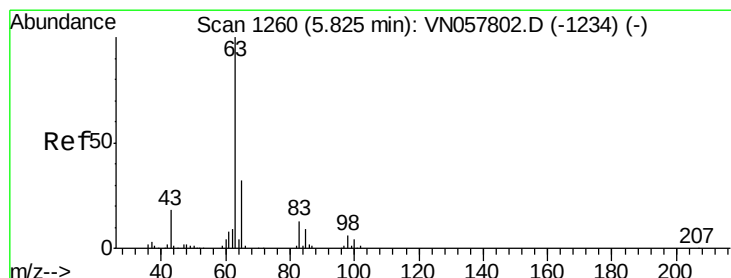
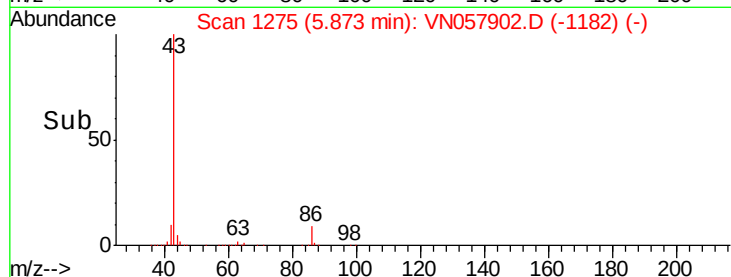
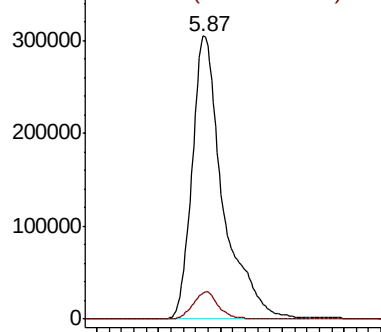
43 100

86 9.3 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.201 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

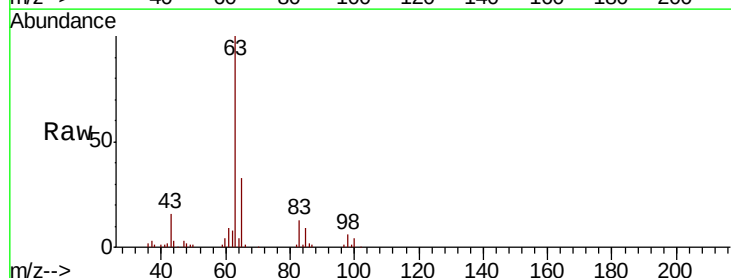
Tgt Ion: 63 Resp: 163122

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

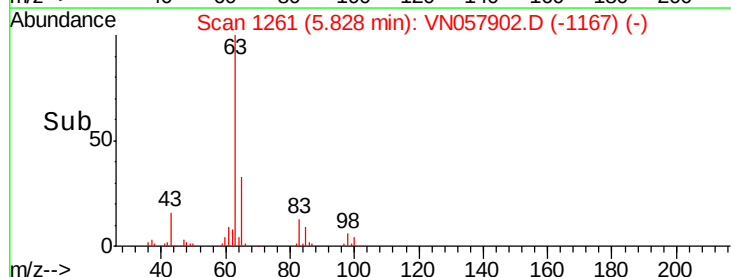
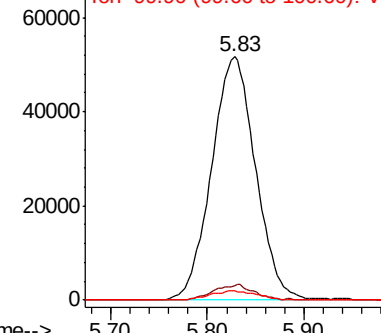
100 3.7 2.0 5.8

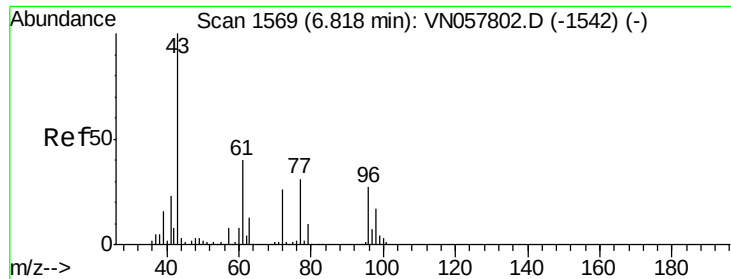


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

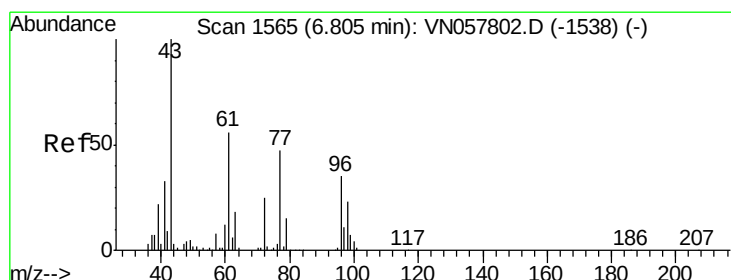
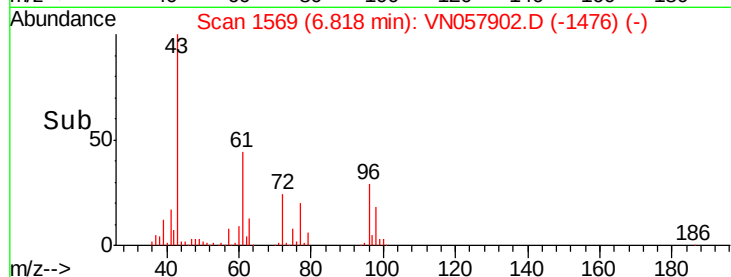
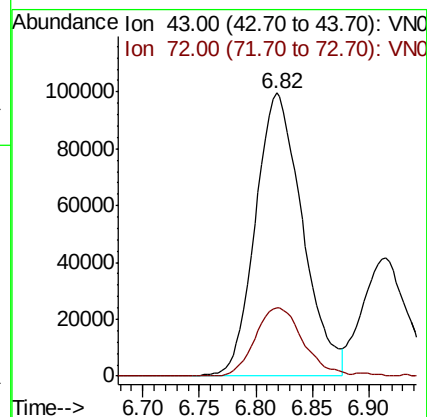
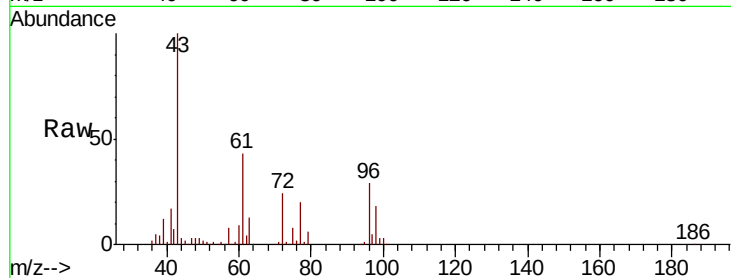




#25
 2-Butanone
 Concen: 98.316 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

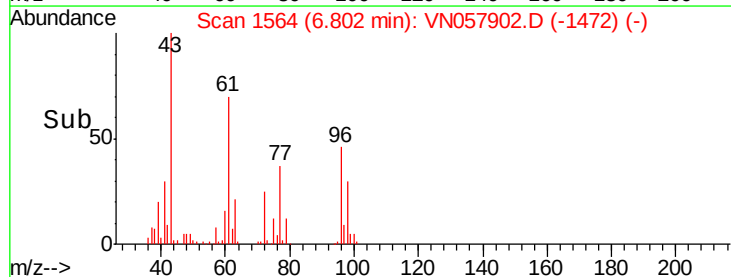
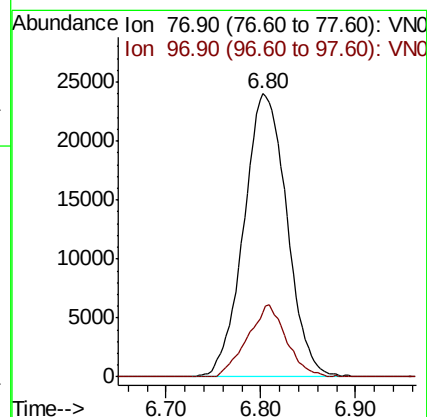
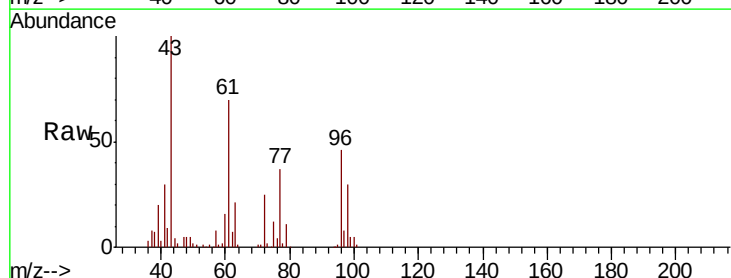
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD02

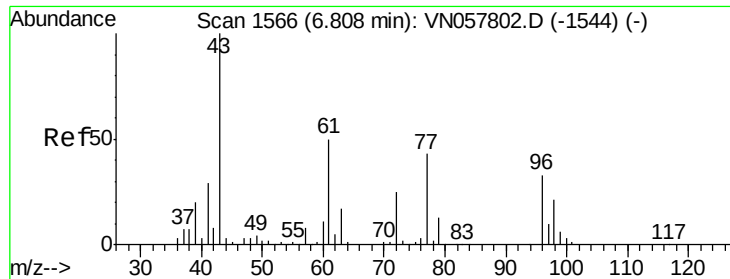
Tgt Ion: 43 Resp: 285658
 Ion Ratio Lower Upper
 43 100
 72 24.3 20.6 30.8



#26
 2,2-Dichloropropane
 Concen: 11.888 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 77 Resp: 75968
 Ion Ratio Lower Upper
 77 100
 97 22.9 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 20.313 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

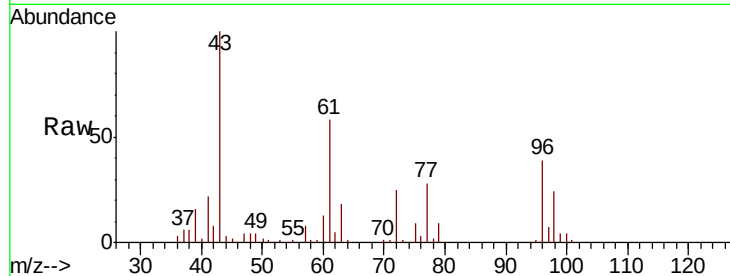
Tgt Ion: 96 Resp: 94738

Ion Ratio Lower Upper

96 100

61 148.4 0.0 314.0

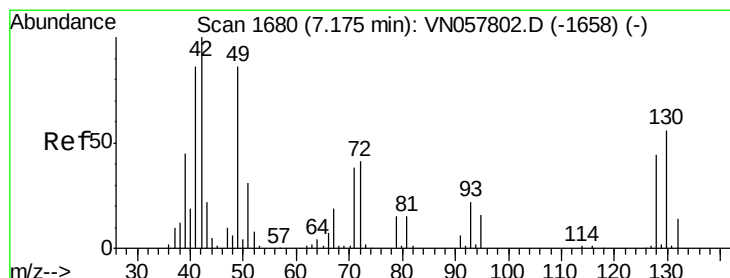
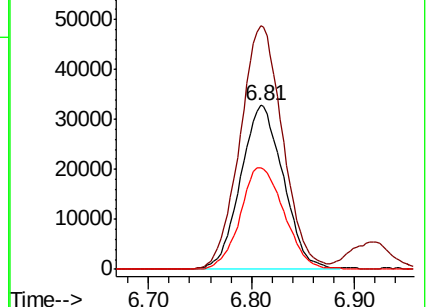
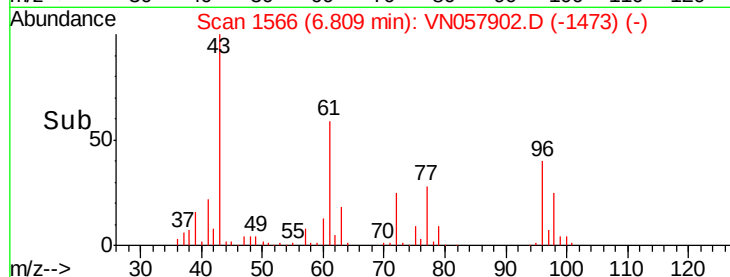
98 63.5 0.0 128.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.923 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

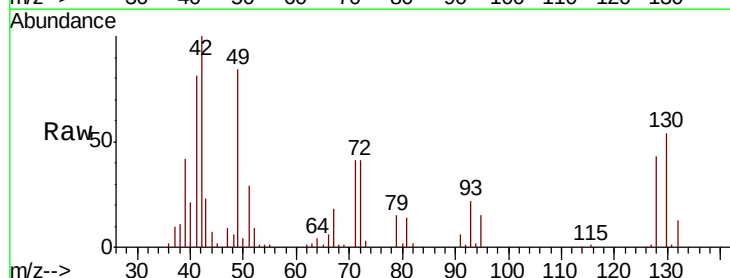
Tgt Ion: 49 Resp: 84408

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

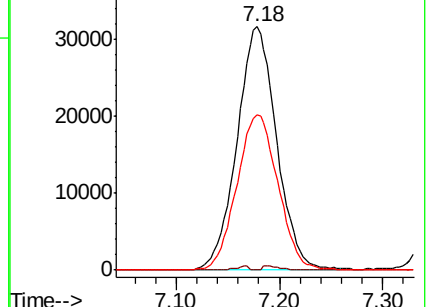
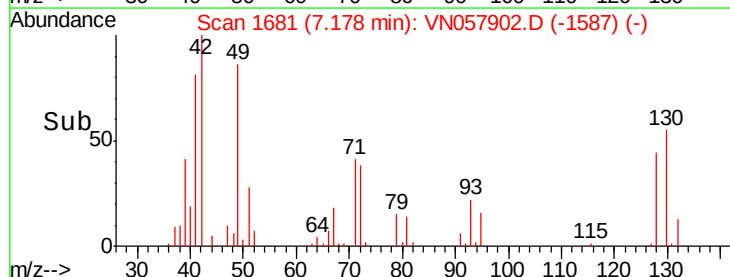
130 66.2 53.0 79.6

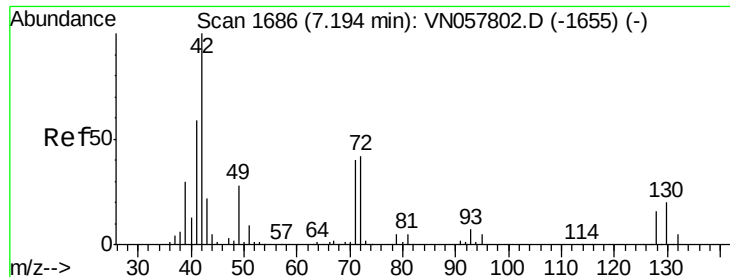


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.512 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

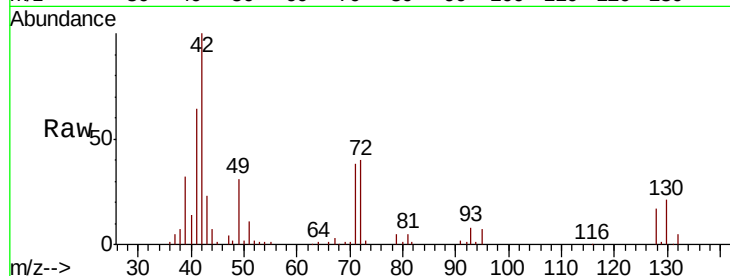
Tgt Ion: 42 Resp: 181747

Ion Ratio Lower Upper

42 100

72 41.6 33.7 50.5

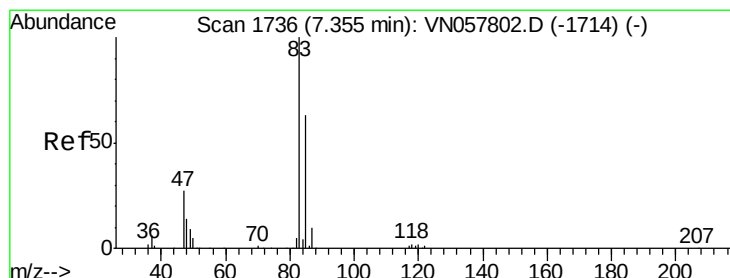
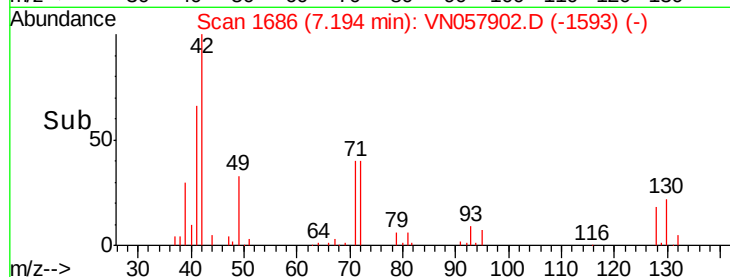
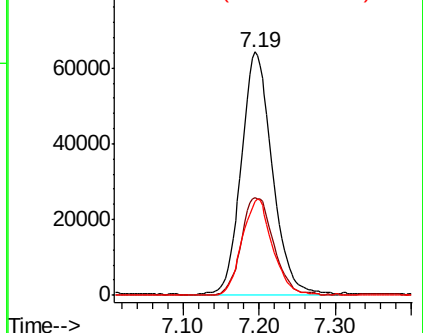
71 39.1 31.9 47.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.294 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057902.D

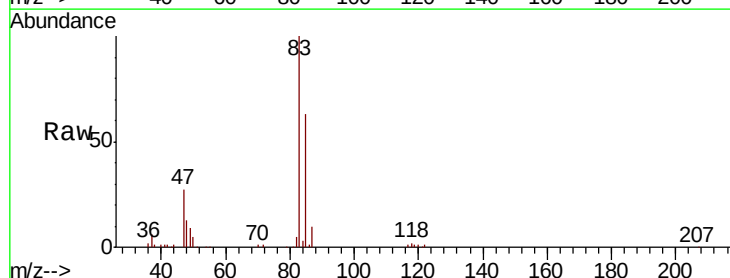
Acq: 11 Sep 2019 6:38

Tgt Ion: 83 Resp: 171341

Ion Ratio Lower Upper

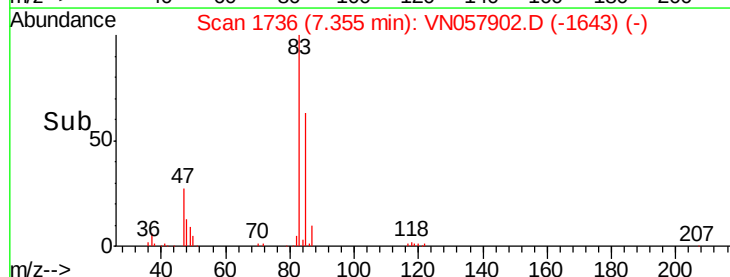
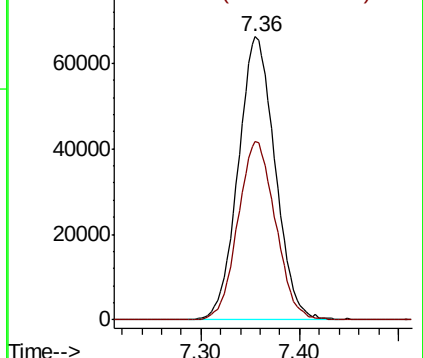
83 100

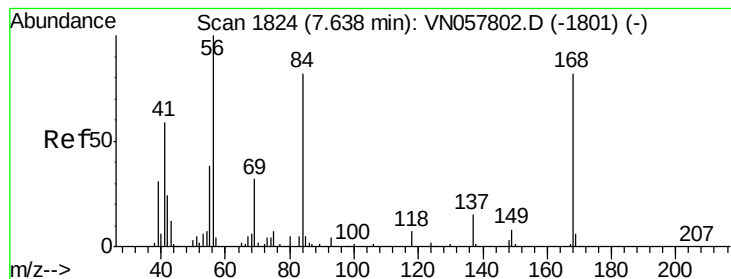
85 63.2 50.6 75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 20.088 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

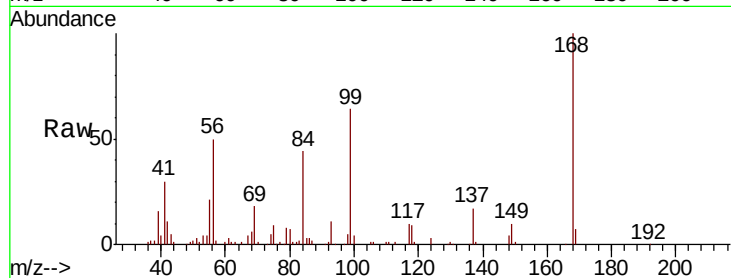
Tgt Ion: 56 Resp: 117900

Ion Ratio Lower Upper

56 100

69 36.4 25.9 38.9

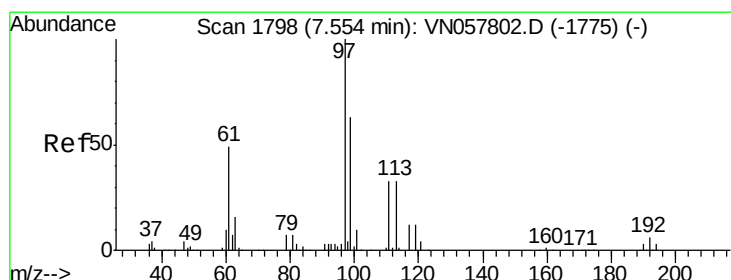
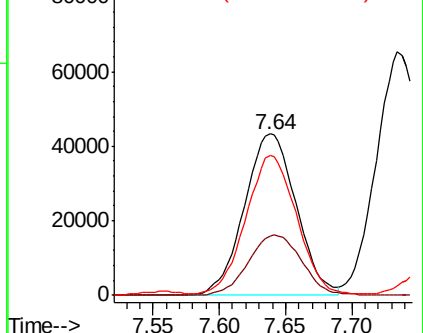
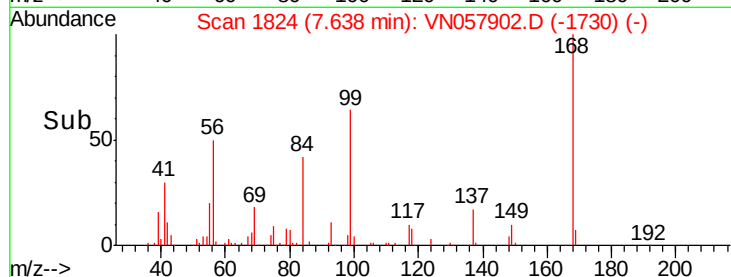
84 85.6 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.630 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

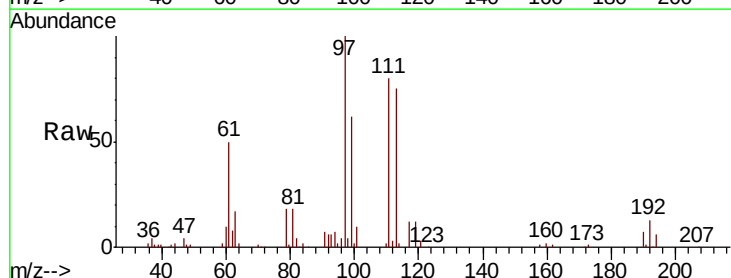
Tgt Ion: 97 Resp: 131450

Ion Ratio Lower Upper

97 100

99 63.2 51.0 76.4

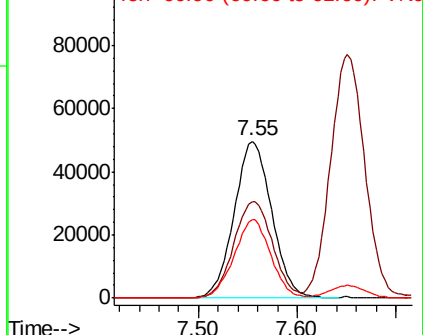
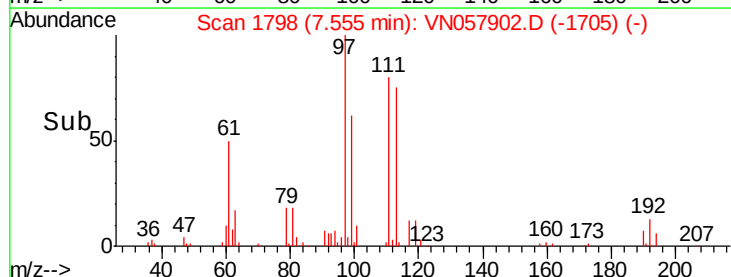
61 48.7 39.0 58.6

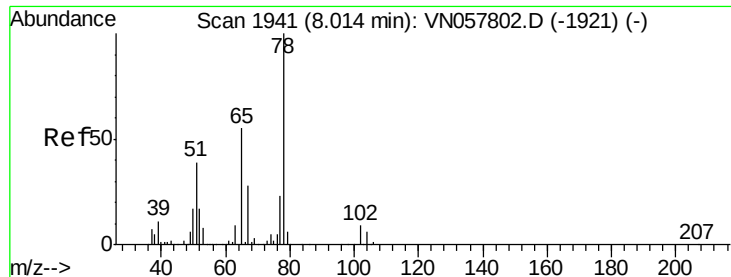


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

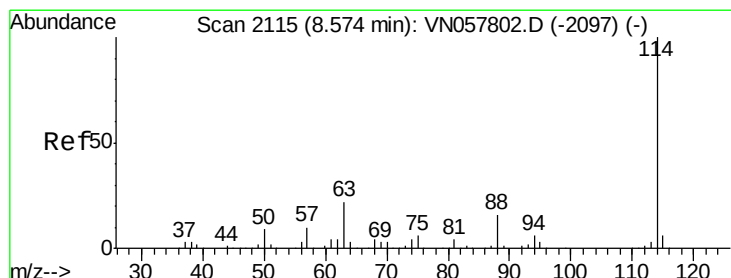
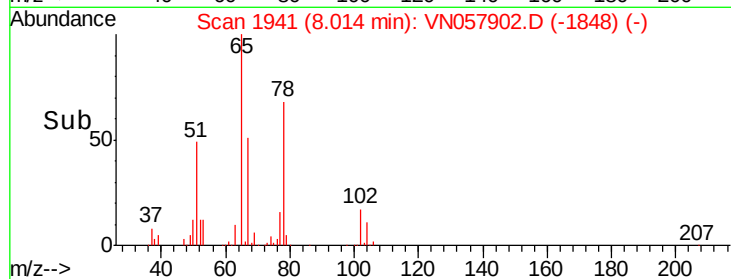
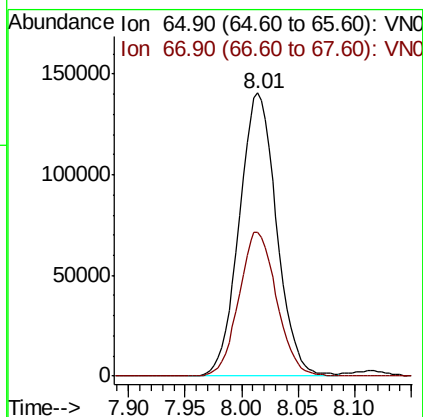
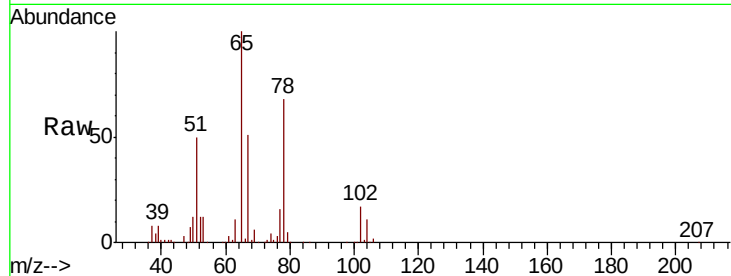




#33
 1,2-Dichloroethane-d4
 Concen: 52.836 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

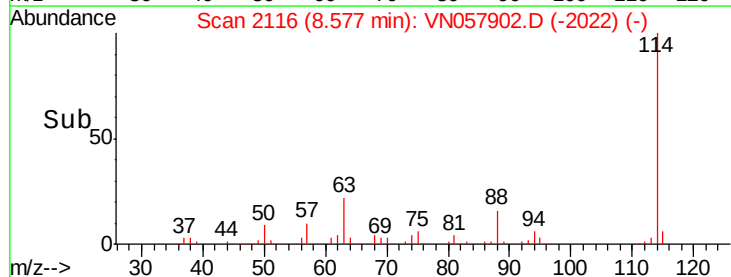
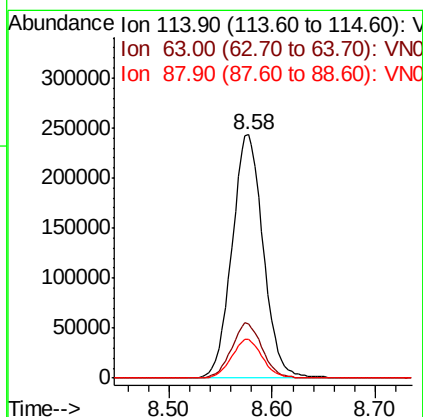
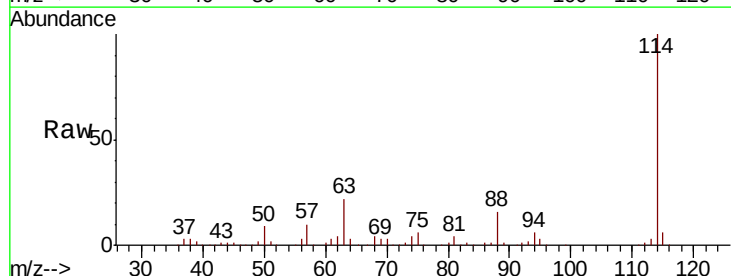
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

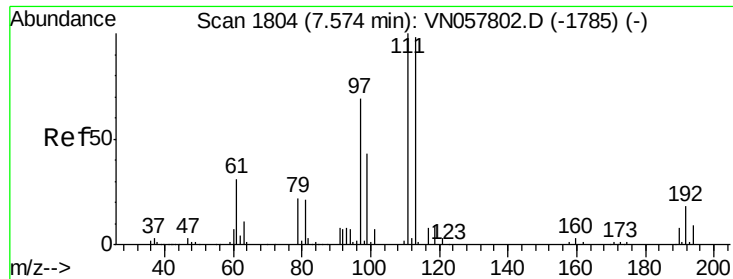
Tgt Ion: 65 Resp: 323553
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 114 Resp: 513280
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.0
 88 15.9 0.0 31.4

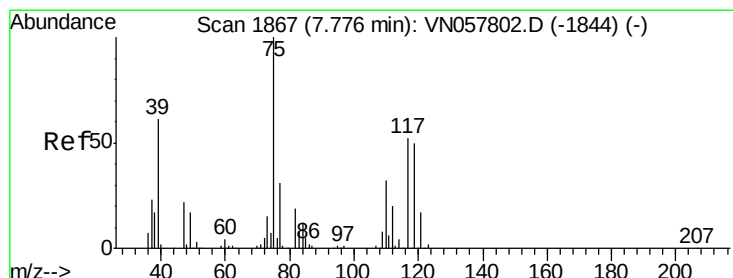
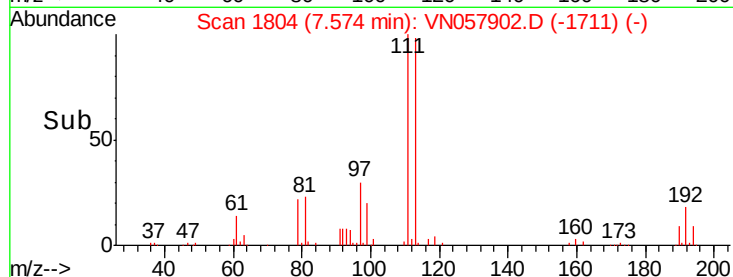
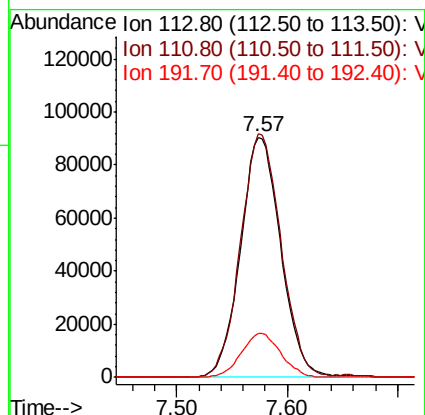
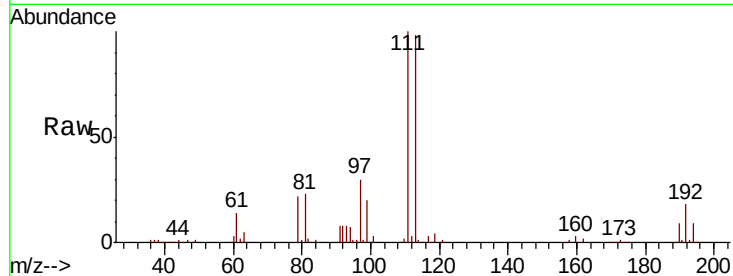




#35
 Dibromofluoromethane
 Concen: 48.135 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

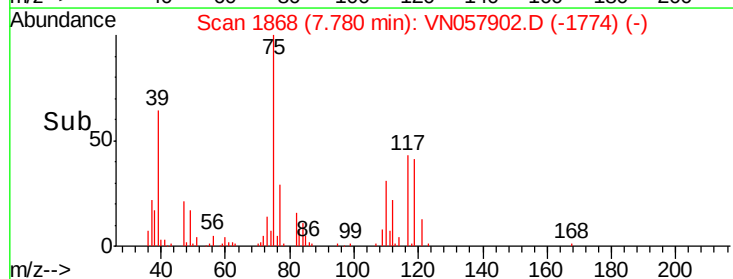
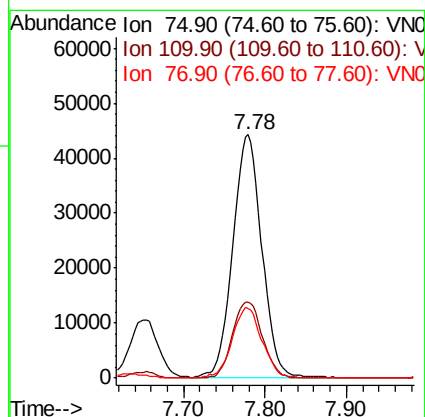
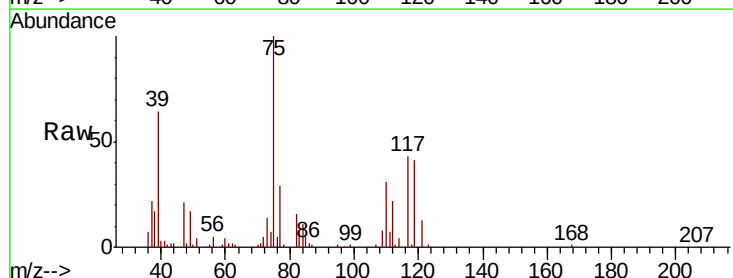
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

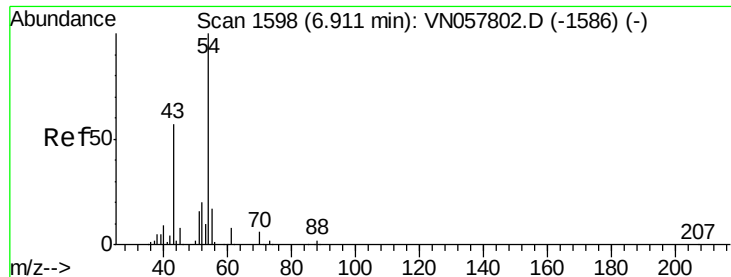
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.3	121.9
192	18.1	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 18.565 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.3	48.9
77	29.7	25.0	37.4

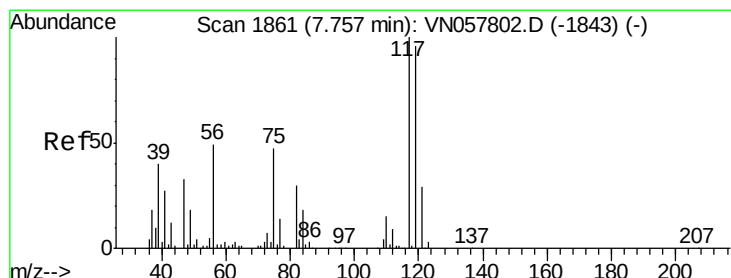
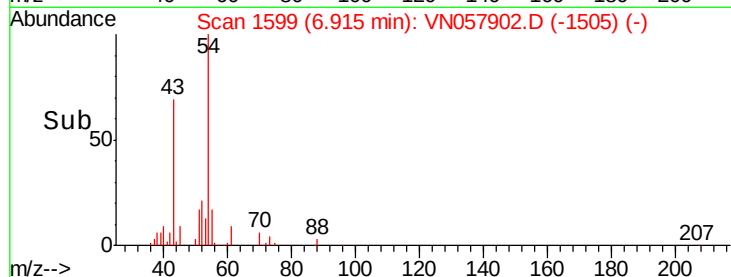
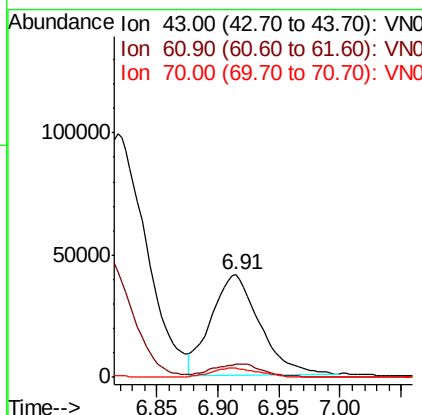
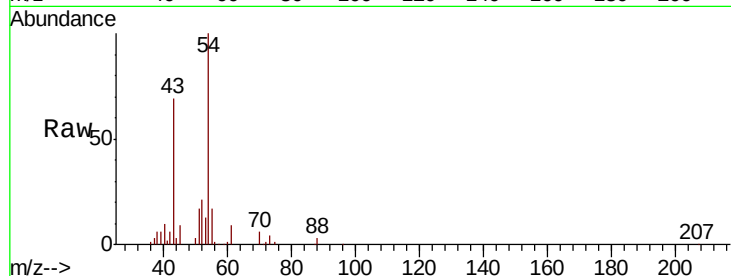




#37
 Ethyl Acetate
 Concen: 18.391 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

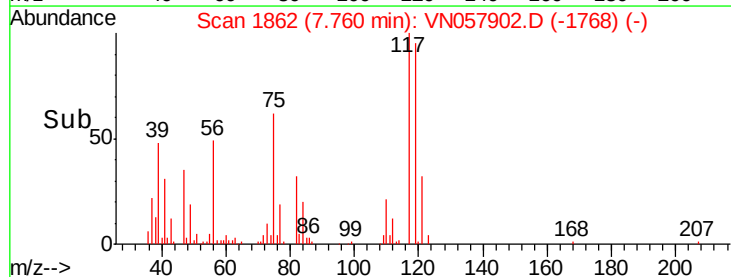
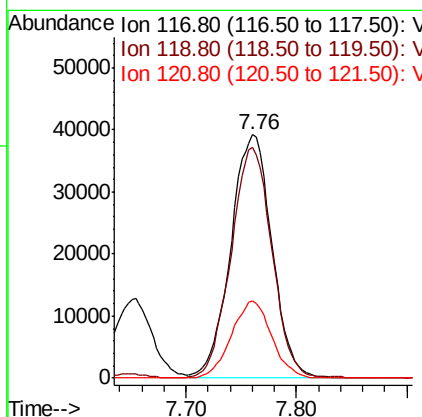
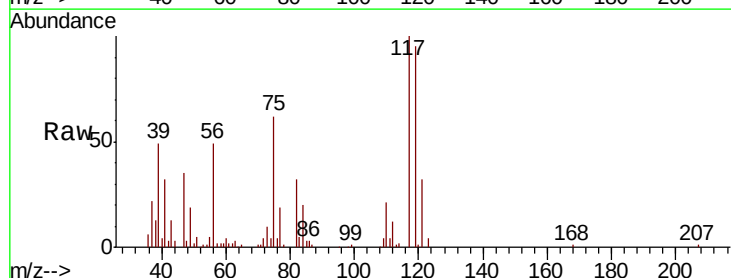
Instrument :
 MSVOA_N
 ClientSampled :
 VN0911WBSD02

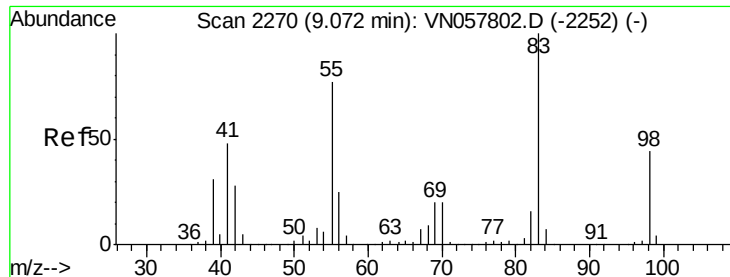
Tgt Ion: 43 Resp: 113109
 Ion Ratio Lower Upper
 43 100
 61 14.3 10.5 15.7
 70 9.4 7.4 11.0



#38
 Carbon Tetrachloride
 Concen: 18.702 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 117 Resp: 101643
 Ion Ratio Lower Upper
 117 100
 119 94.2 76.9 115.3
 121 31.6 23.4 35.2

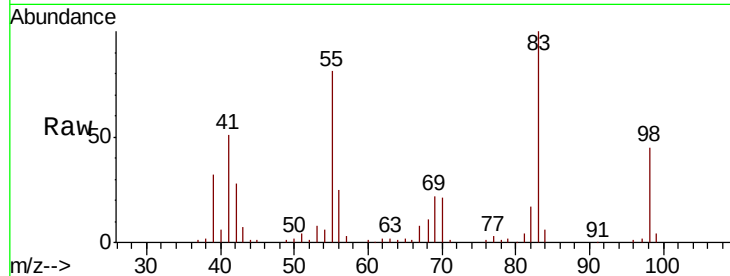




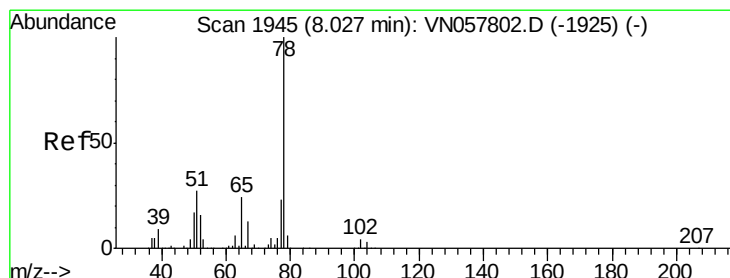
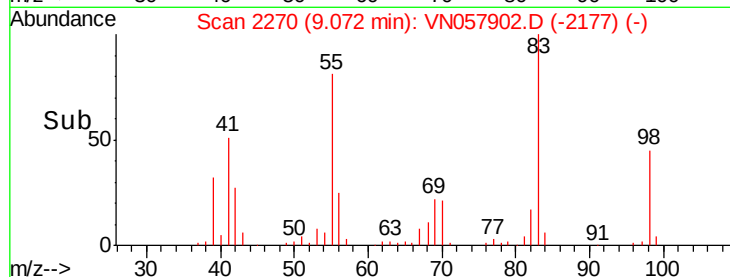
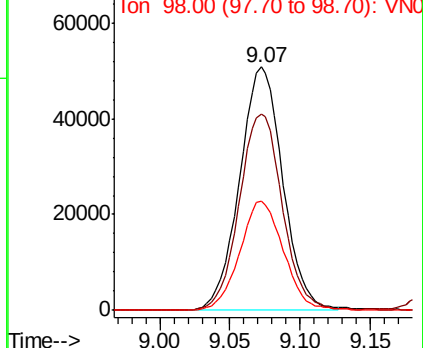
#39
Methylcyclohexane
Concen: 17.374 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tgt Ion: 83 Resp: 108720
Ion Ratio Lower Upper
83 100
55 80.6 61.6 92.4
98 44.9 34.9 52.3

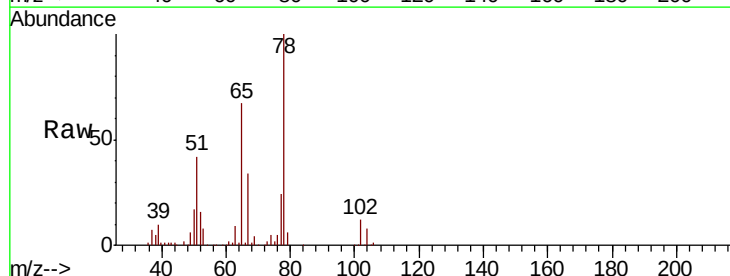


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

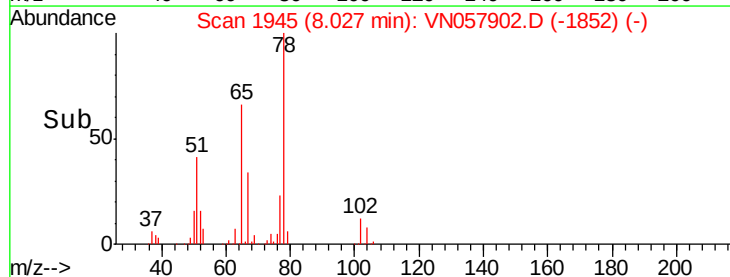
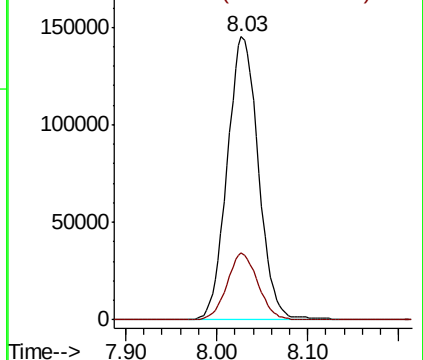


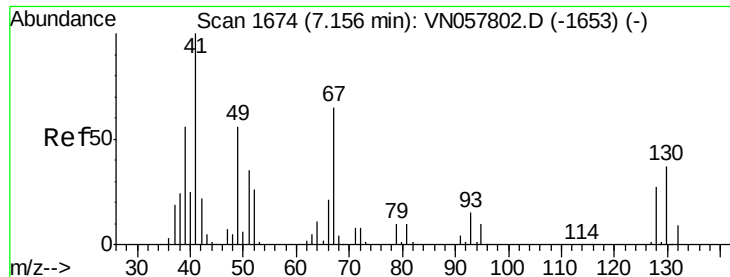
#40
Benzene
Concen: 19.310 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 78 Resp: 346056
Ion Ratio Lower Upper
78 100
77 23.6 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

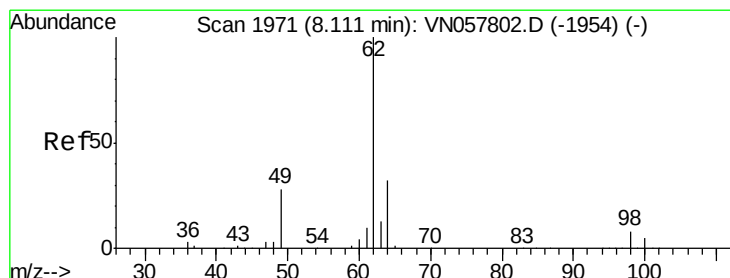
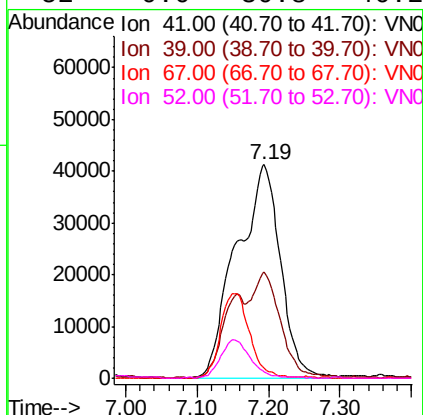
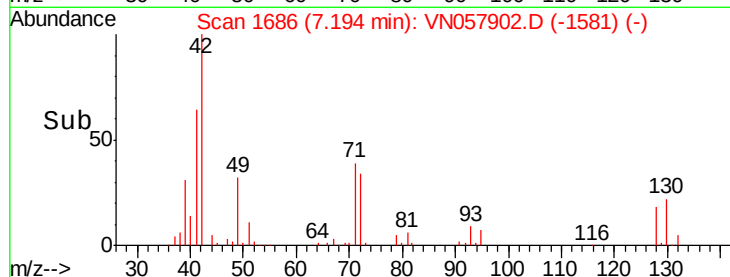
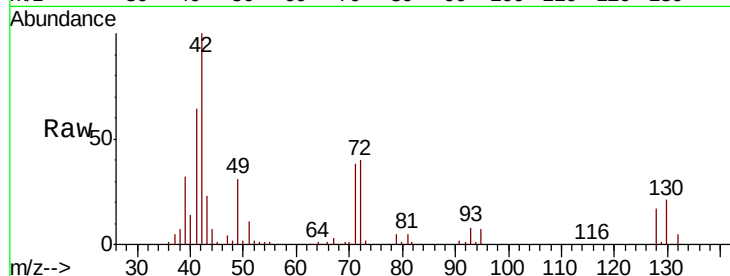




#41
Methacrylonitrile
Concen: 63.289 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

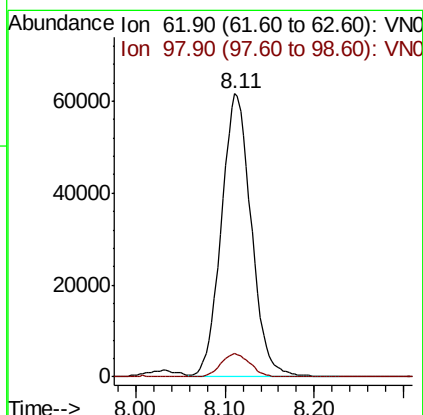
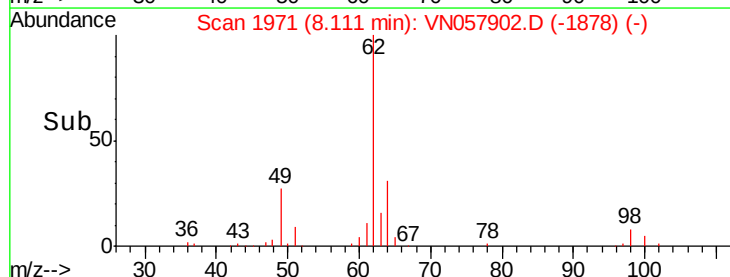
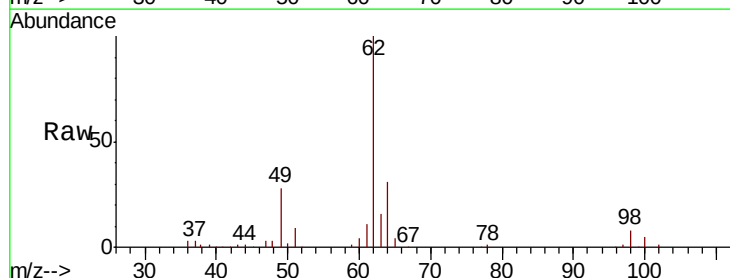
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

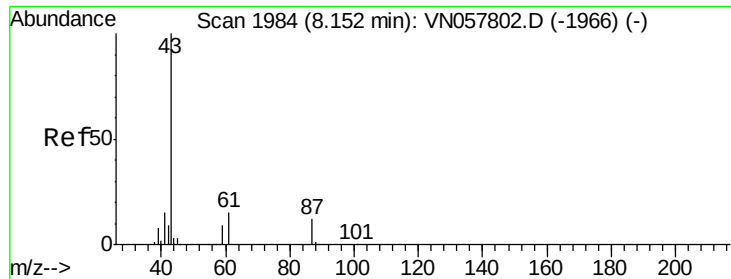
Tgt Ion: 41 Resp: 176689
Ion Ratio Lower Upper
41 100
39 0.0 51.0 76.6#
67 0.0 70.7 106.1#
52 0.0 30.8 46.2#



#42
1,2-Dichloroethane
Concen: 20.020 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 62 Resp: 143493
Ion Ratio Lower Upper
62 100
98 8.0 0.0 15.8





#43

Isopropyl Acetate

Concen: 18.926 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

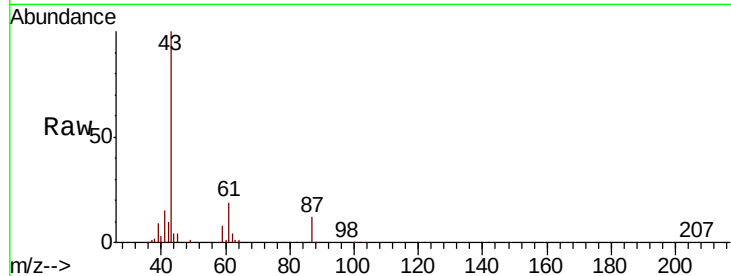
Tgt Ion: 43 Resp: 195749

Ion Ratio Lower Upper

43 100

61 17.8 20.1 30.1#

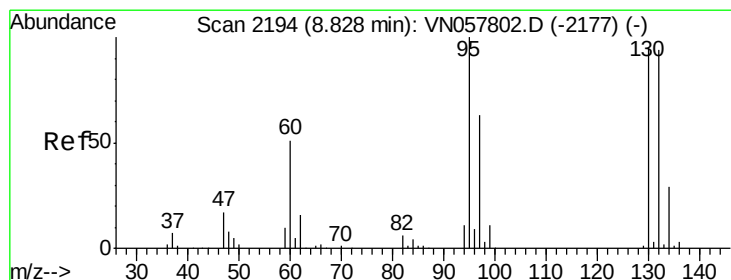
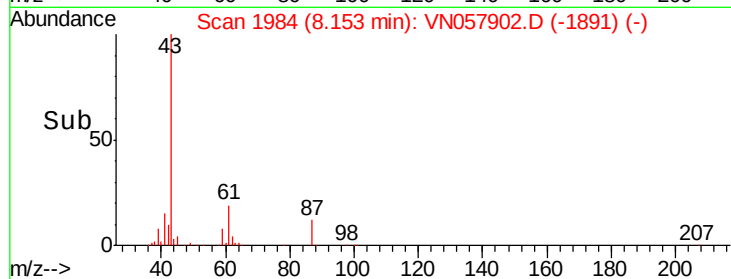
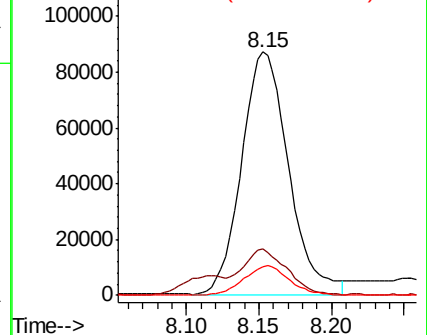
87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057802.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057802.D (-1966) (-)



#44

Trichloroethene

Concen: 19.022 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057902.D

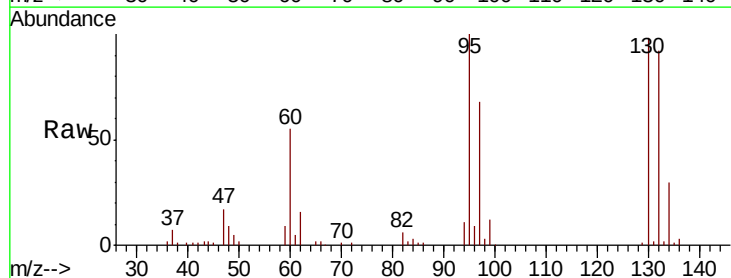
Acq: 11 Sep 2019 6:38

Tgt Ion: 130 Resp: 83612

Ion Ratio Lower Upper

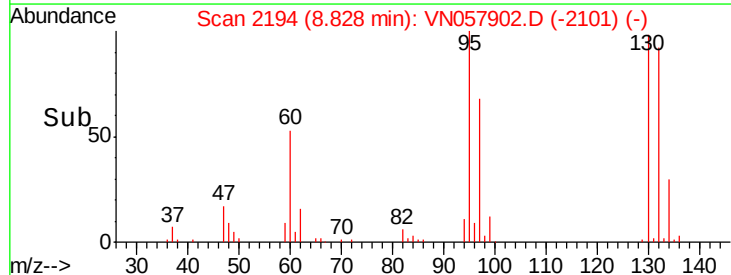
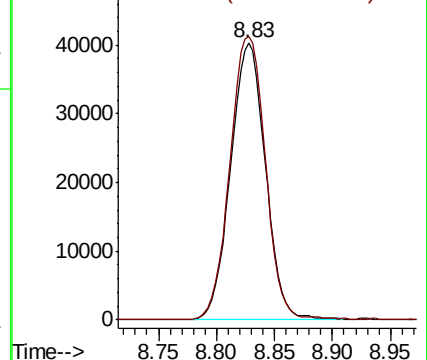
130 100

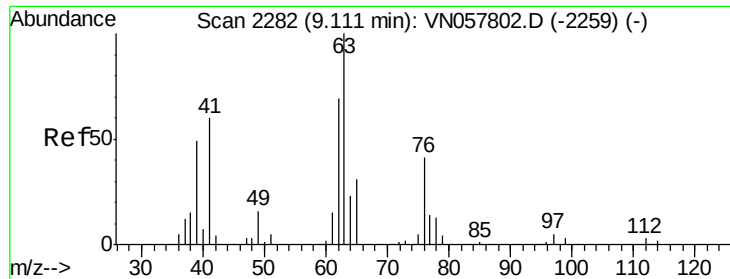
95 102.1 0.0 211.4



Abundance Ion 129.80 (129.50 to 130.50): VN057802.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057802.D (-2177) (-)

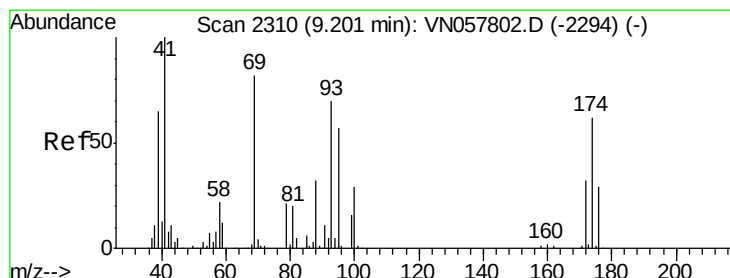
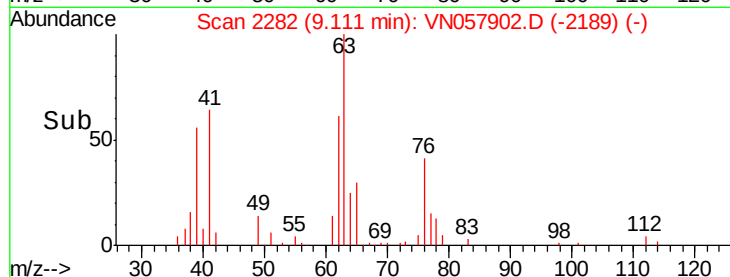
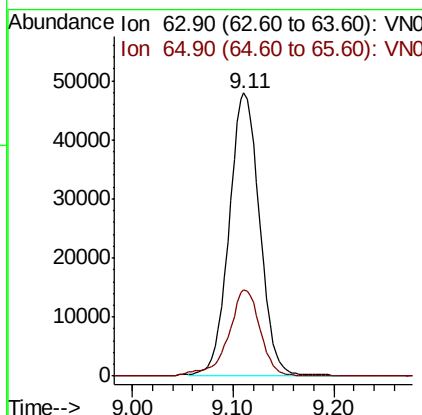
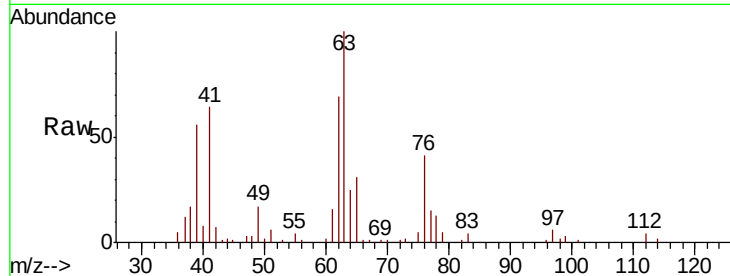




#45
 1,2-Dichloropropane
 Concen: 19.373 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

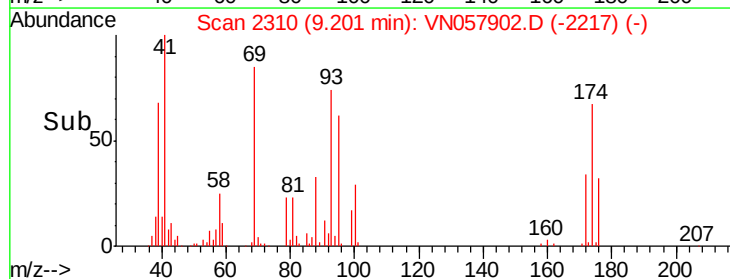
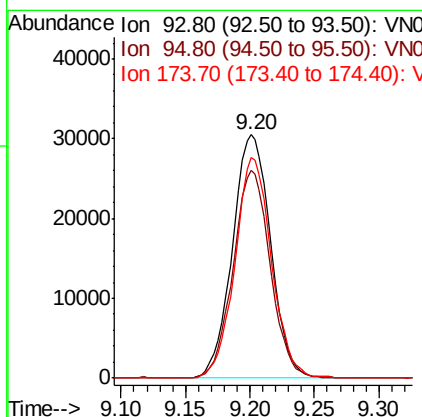
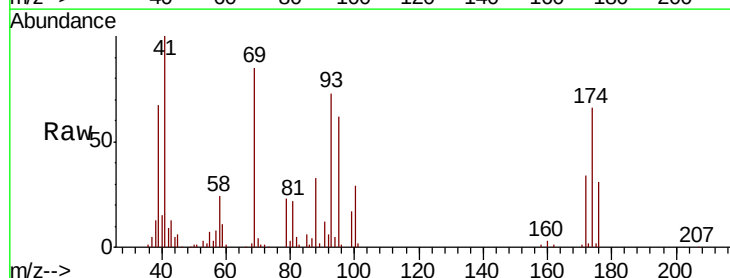
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0911WBSD02

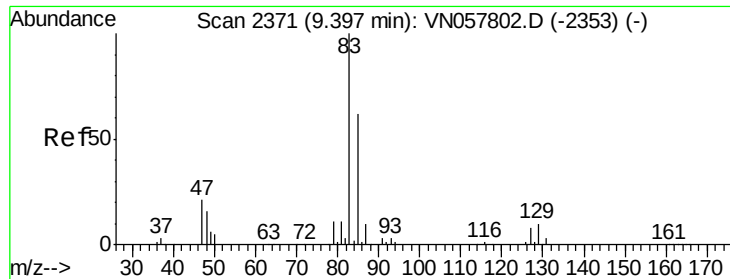
Tgt Ion: 63 Resp: 101029
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 19.977 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 93 Resp: 62954
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.9 98.9
 174 86.4 71.8 107.6





#47

Bromodichloromethane

Concen: 19.487 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

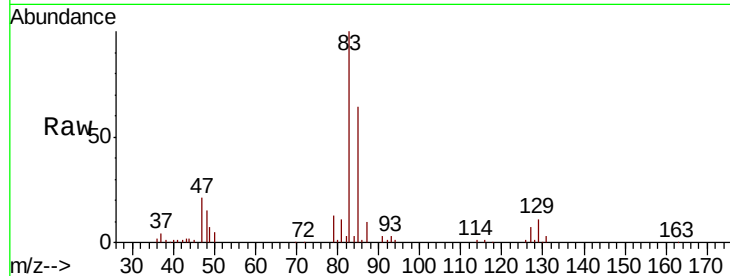
Tgt Ion: 83 Resp: 122625

Ion Ratio Lower Upper

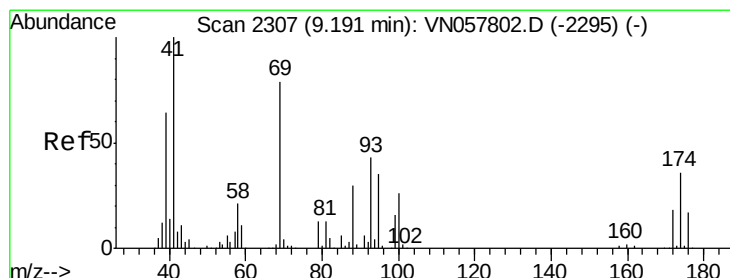
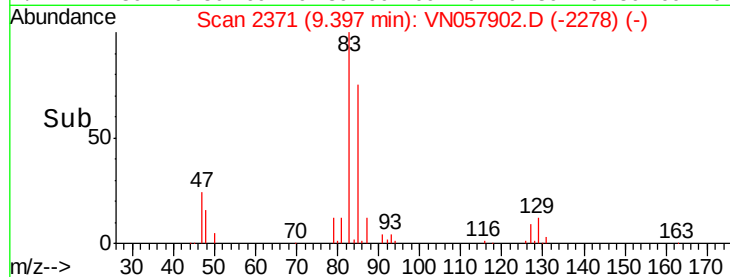
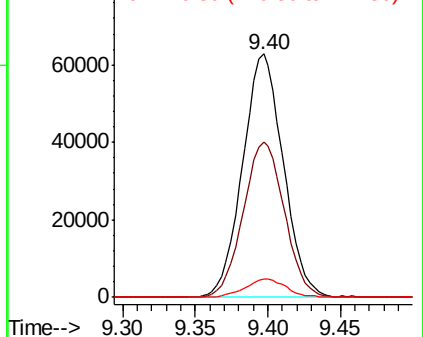
83 100

85 63.7 49.9 74.9

127 7.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.769 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

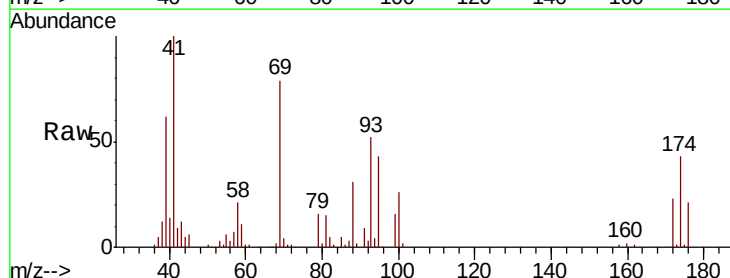
Tgt Ion: 41 Resp: 98469

Ion Ratio Lower Upper

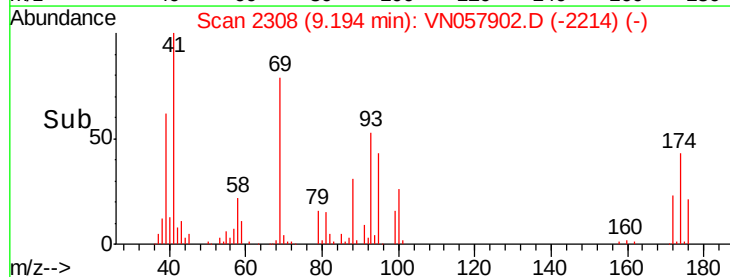
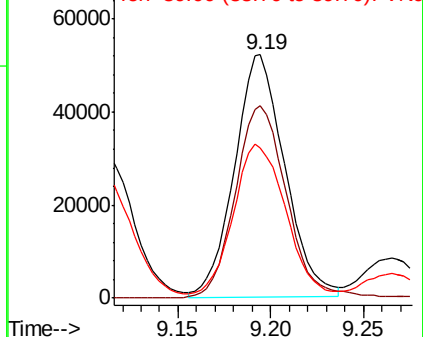
41 100

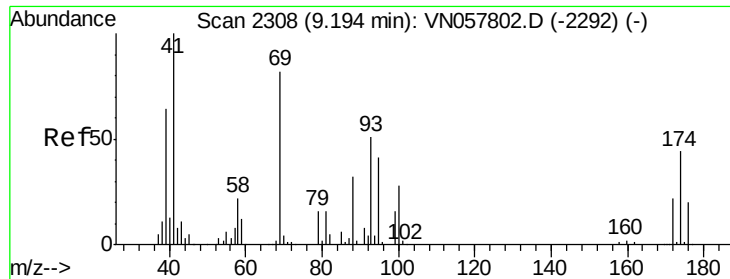
69 80.9 62.7 94.1

39 66.9 52.7 79.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

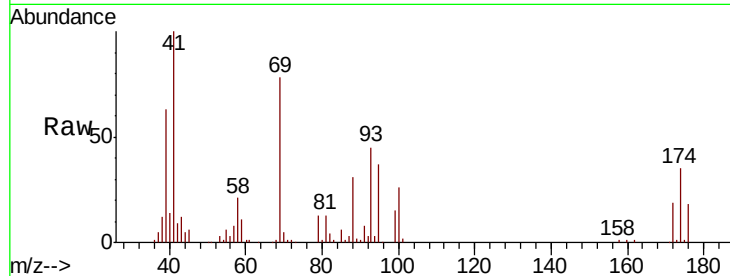




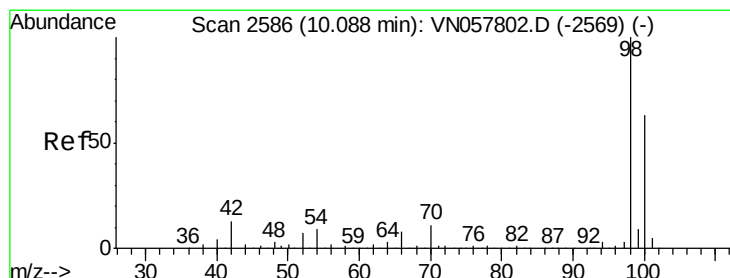
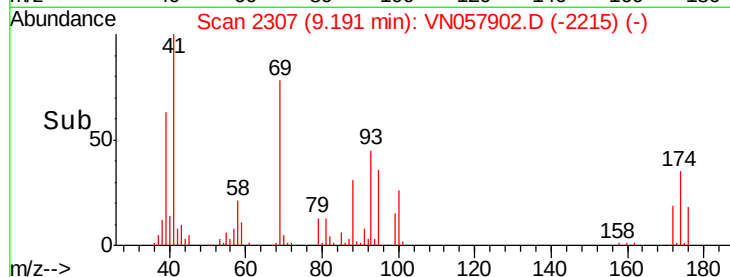
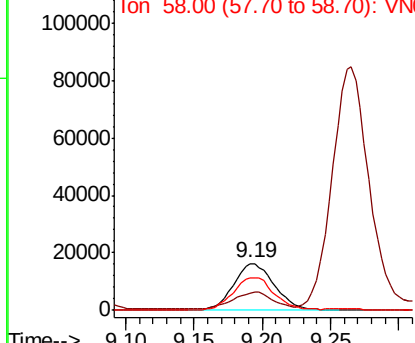
#49
 1,4-Dioxane
 Concen: 381.920 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

Tgt Ion: 88 Resp: 33885
 Ion Ratio Lower Upper
 88 100
 43 35.0 28.5 42.7
 58 70.7 55.8 83.6

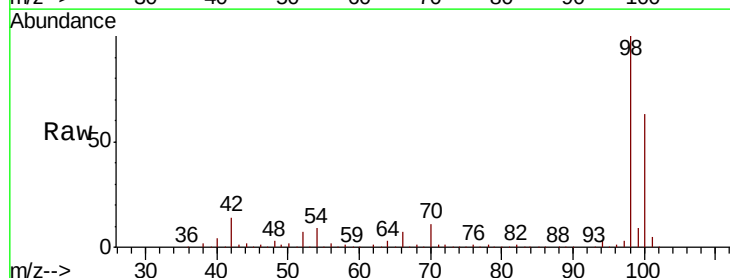


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

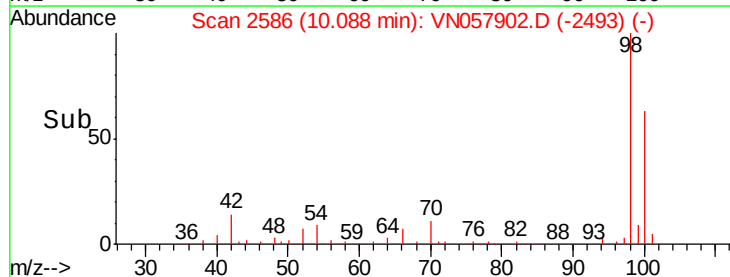
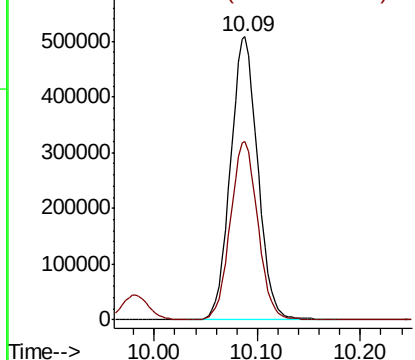


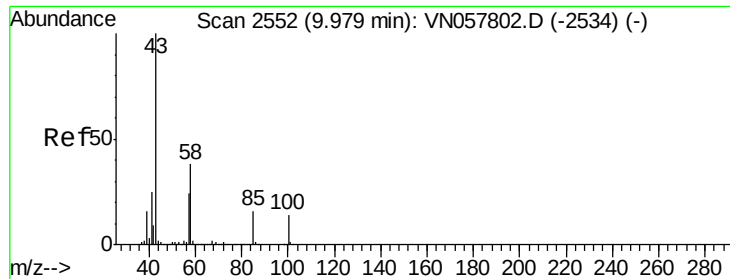
#50
 Toluene-d8
 Concen: 50.895 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 98 Resp: 936112
 Ion Ratio Lower Upper
 98 100
 100 63.7 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

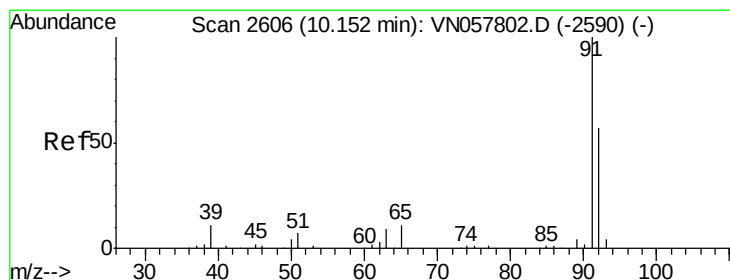
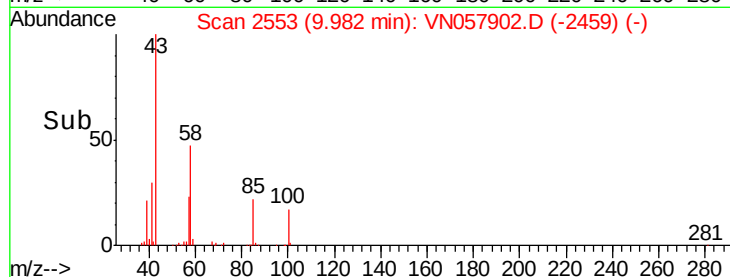
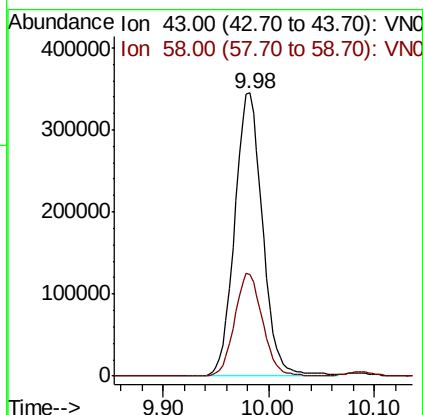
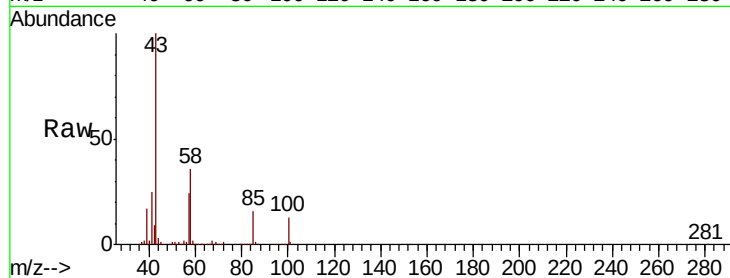




#51
 4-Methyl-2-Pentanone
 Concen: 102.665 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

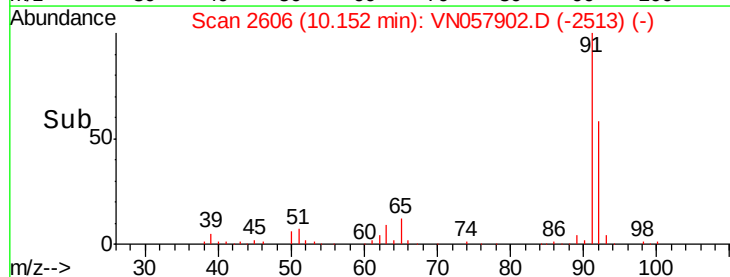
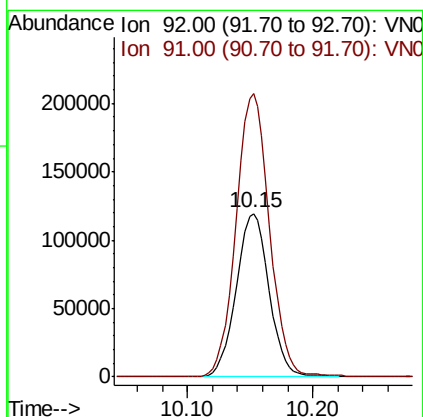
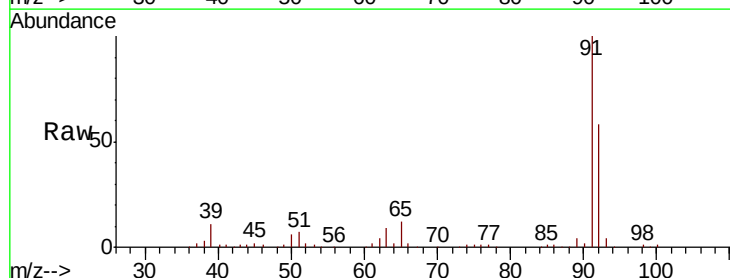
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

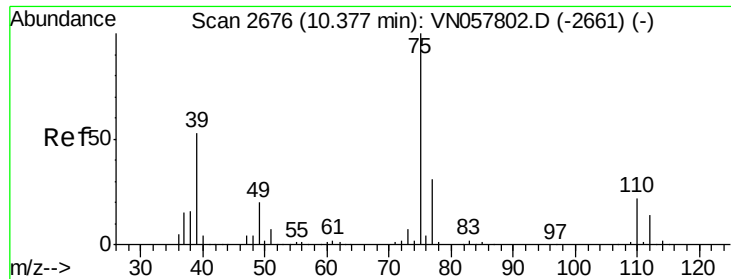
Tgt Ion: 43 Resp: 628363
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.8 44.6



#52
 Toluene
 Concen: 19.286 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 92 Resp: 217695
 Ion Ratio Lower Upper
 92 100
 91 176.8 141.0 211.6





#53

t-1,3-Dichloropropene

Concen: 17.106 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

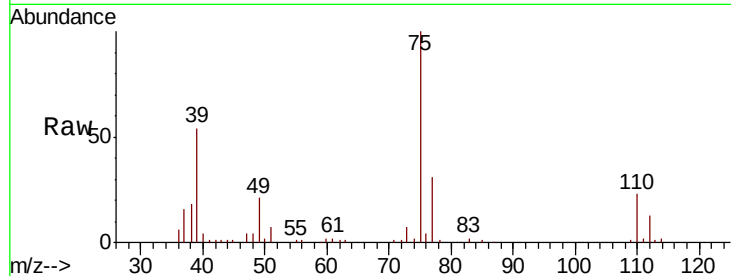
VN0911WBSD02

Tgt Ion: 75 Resp: 113356

Ion Ratio Lower Upper

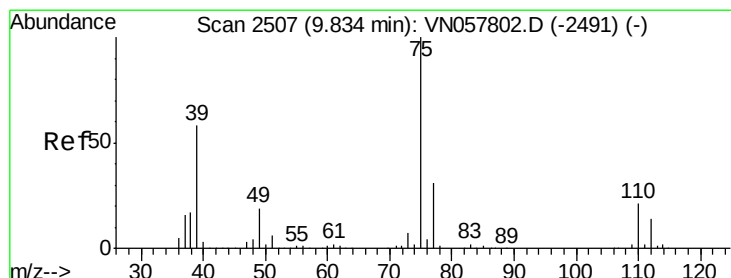
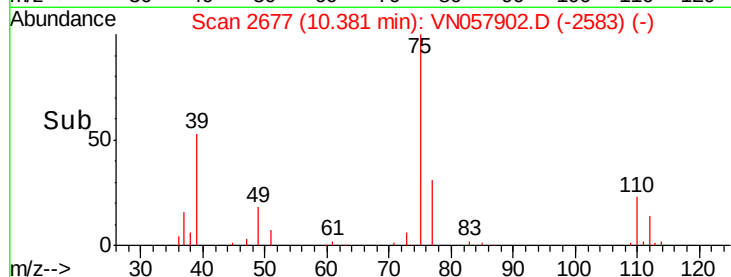
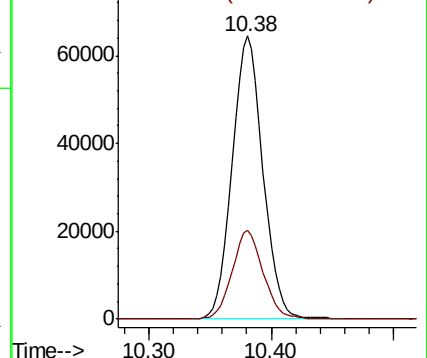
75 100

77 31.2 24.5 36.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 17.639 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

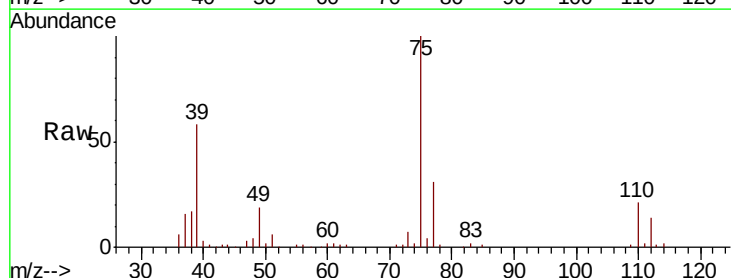
Tgt Ion: 75 Resp: 129052

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

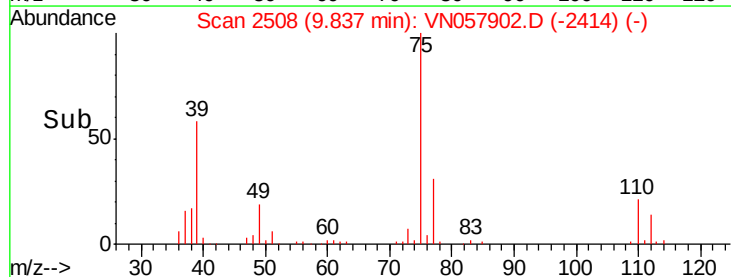
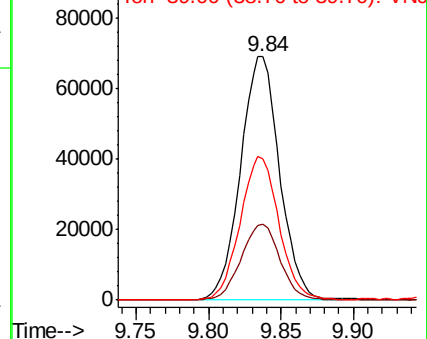
39 57.5 46.2 69.4

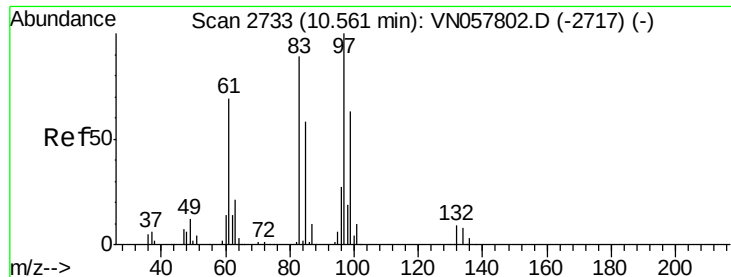


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.803 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

Tgt Ion: 97 Resp: 94684

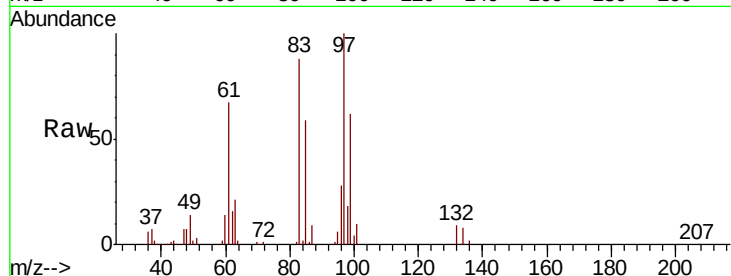
Ion Ratio Lower Upper

97 100

83 87.8 70.8 106.2

85 58.9 46.0 69.0

99 62.2 50.6 76.0

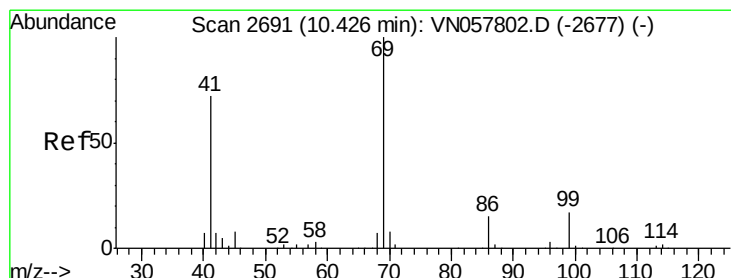
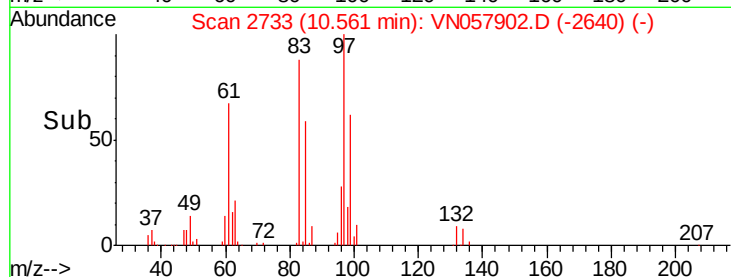
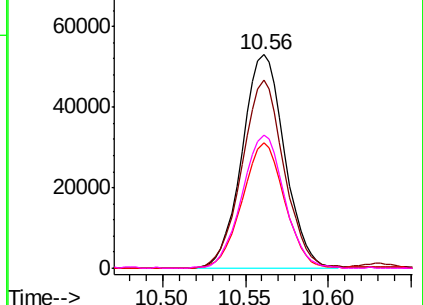


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.164 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

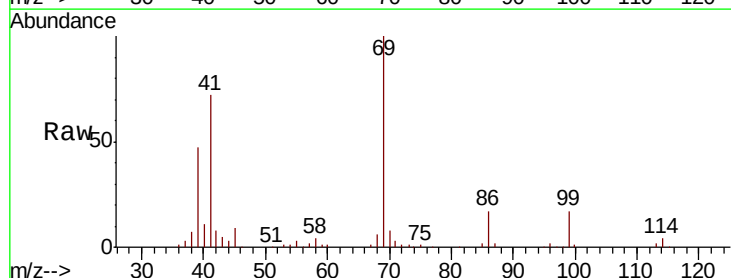
Tgt Ion: 69 Resp: 137987

Ion Ratio Lower Upper

69 100

41 72.2 56.7 85.1

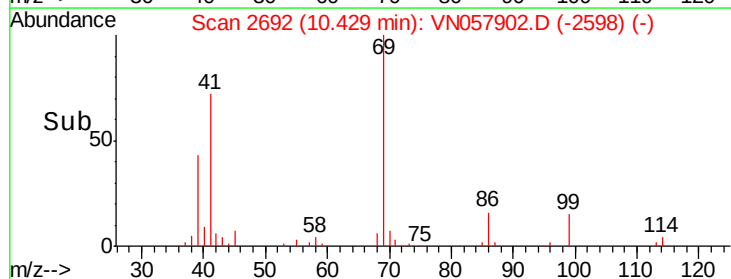
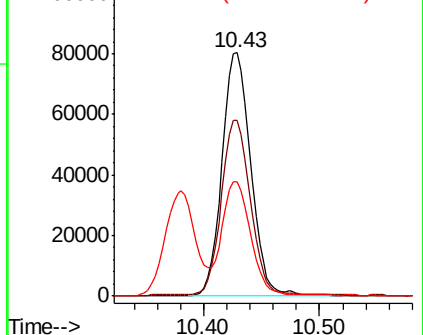
39 46.9 36.3 54.5

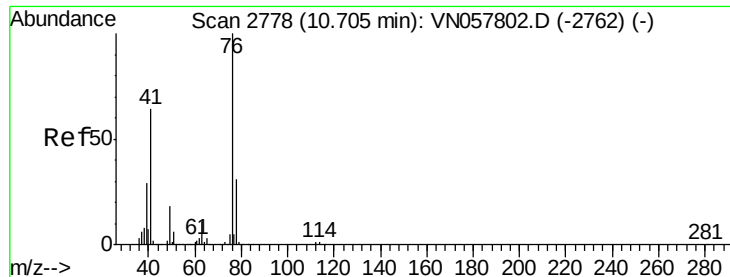


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.754 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampled :

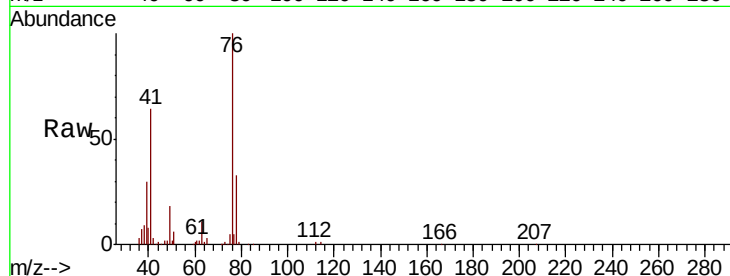
VN0911WBSD02

Tgt Ion: 76 Resp: 162775

Ion Ratio Lower Upper

76 100

78 32.1 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

80000

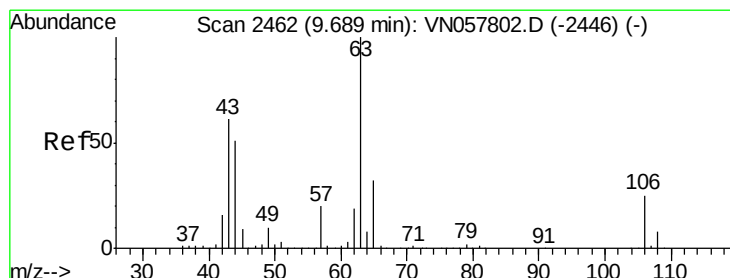
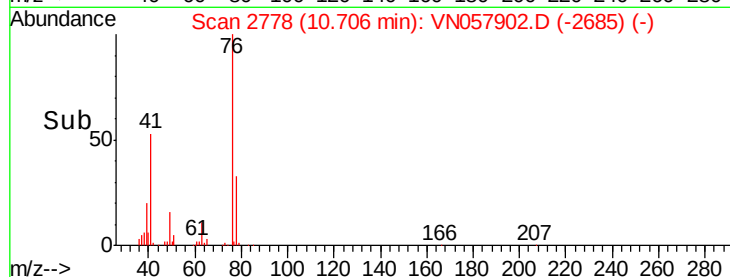
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 100.971 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057902.D

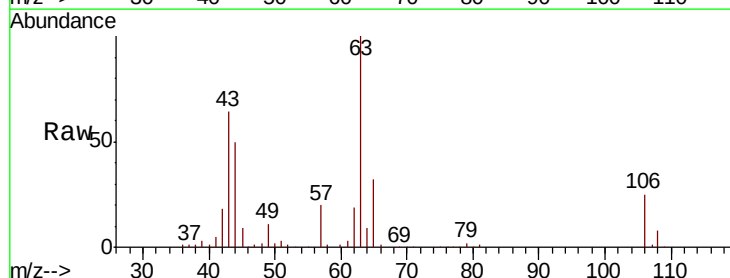
Acq: 11 Sep 2019 6:38

Tgt Ion: 63 Resp: 342415

Ion Ratio Lower Upper

63 100

106 25.3 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

200000

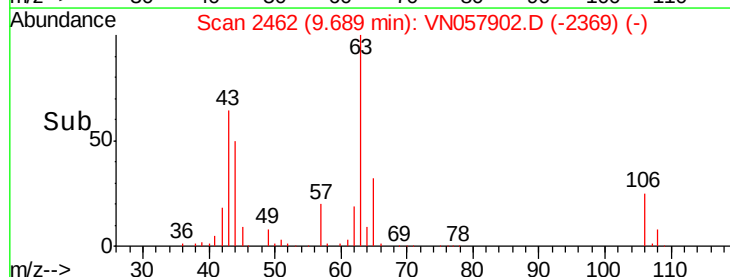
150000

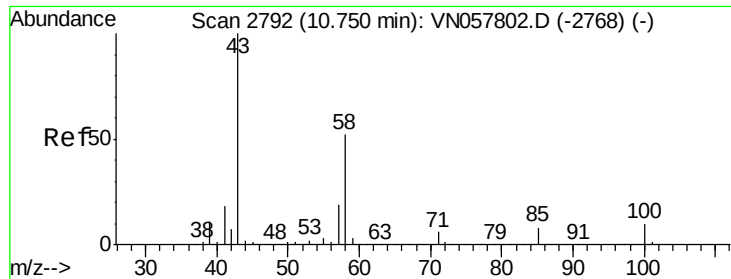
100000

50000

0

Time--> 9.60 9.70 9.80

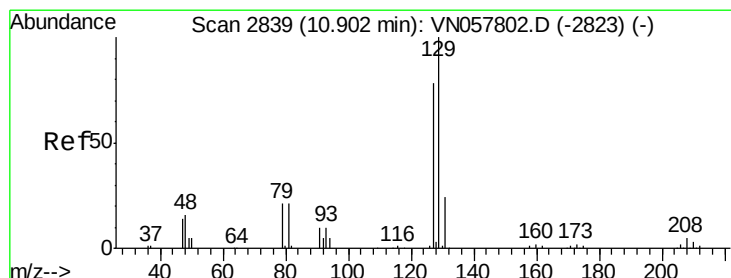
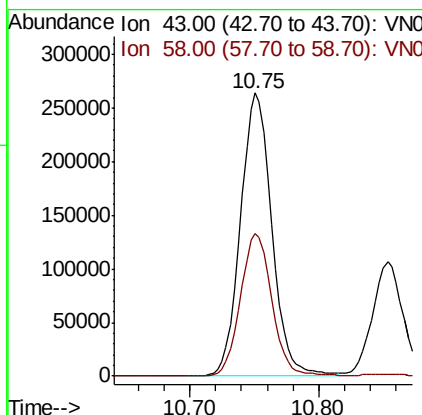
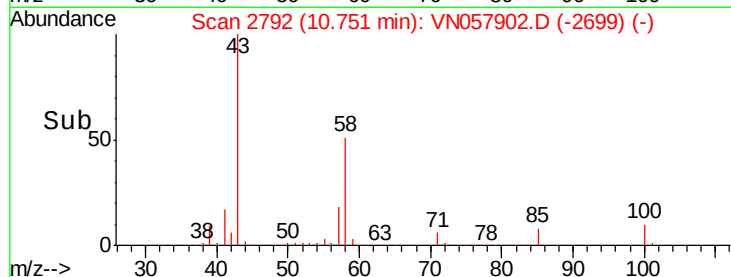
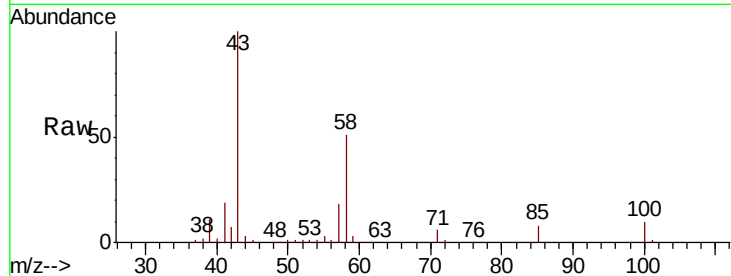




#59
2-Hexanone
Concen: 96.865 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

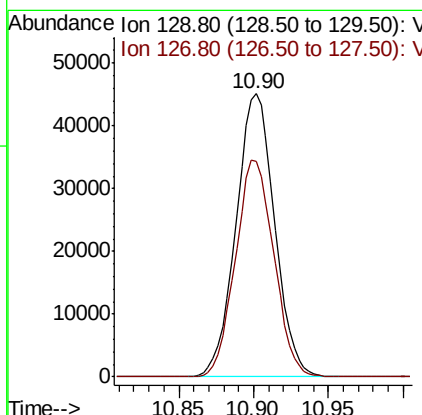
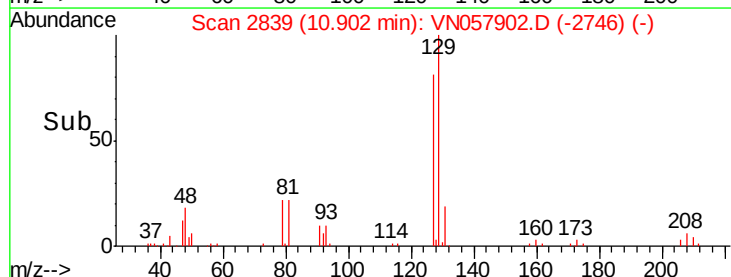
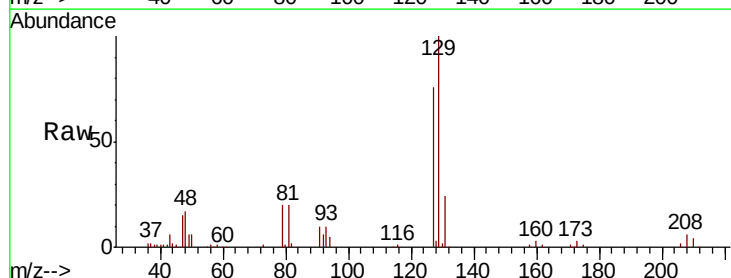
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

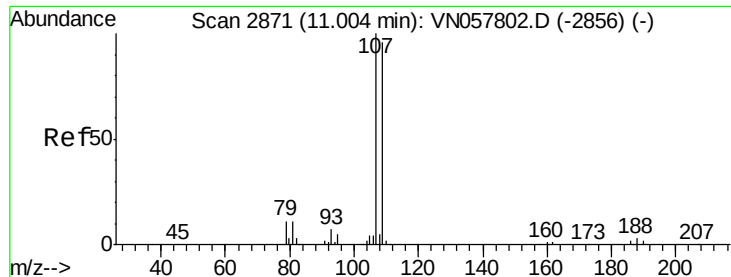
Tgt Ion: 43 Resp: 444374
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 18.231 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 129 Resp: 80946
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.187 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampled :

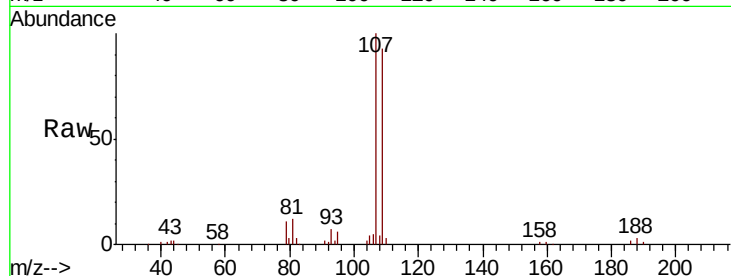
VN0911WBSD02

Tgt Ion: 107 Resp: 86731

Ion Ratio Lower Upper

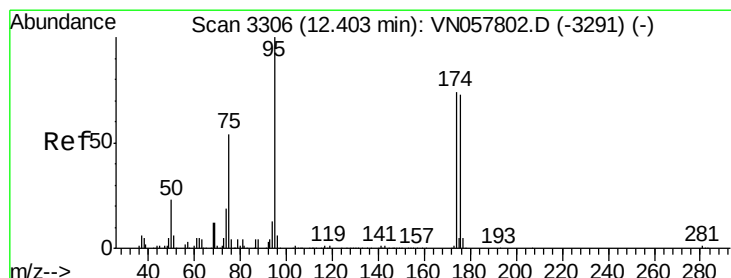
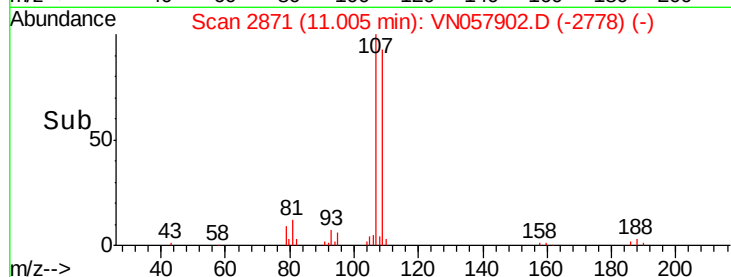
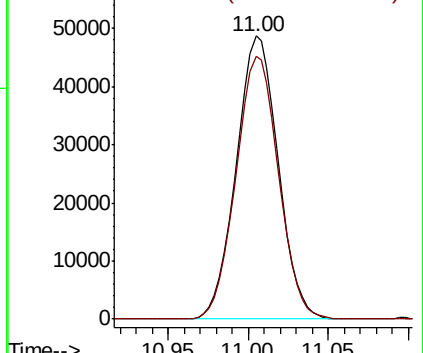
107 100

109 94.5 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.047 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

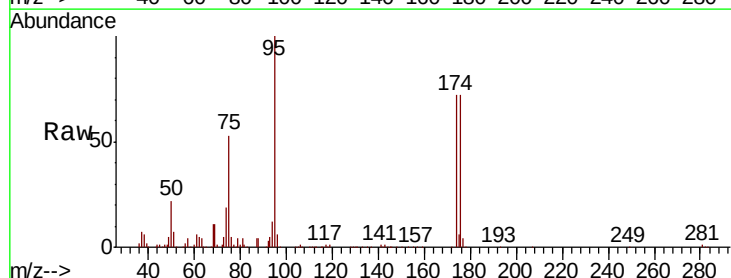
Tgt Ion: 95 Resp: 322762

Ion Ratio Lower Upper

95 100

174 74.5 0.0 150.2

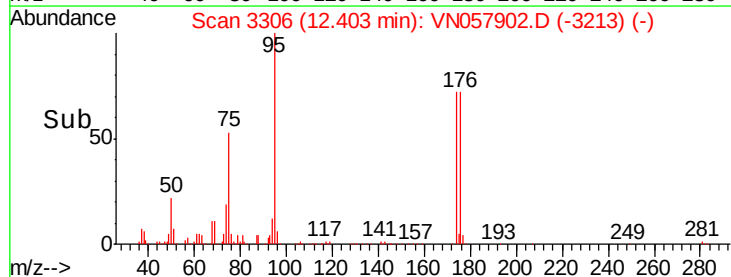
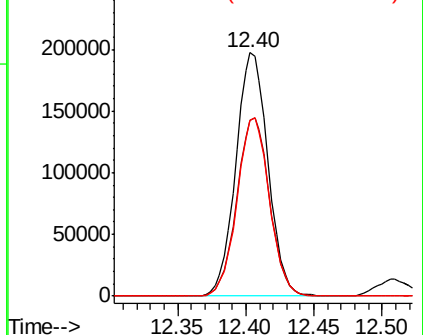
176 73.4 0.0 146.0

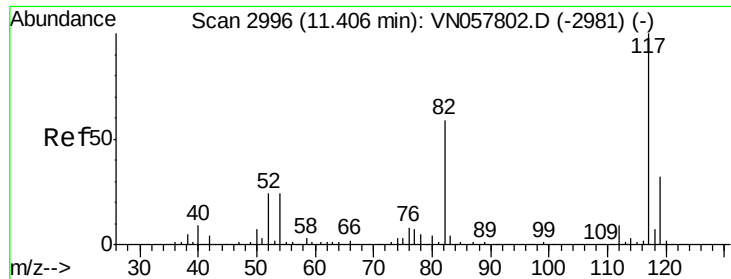


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

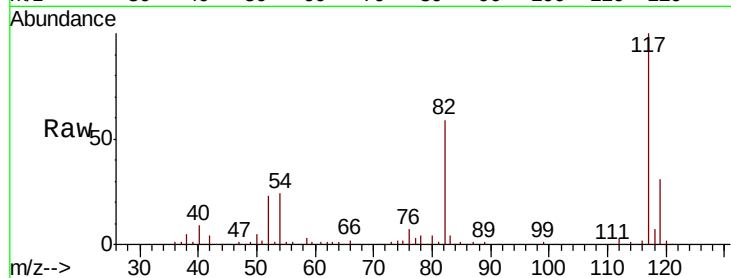




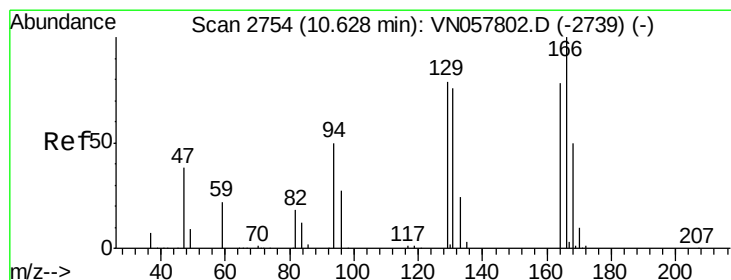
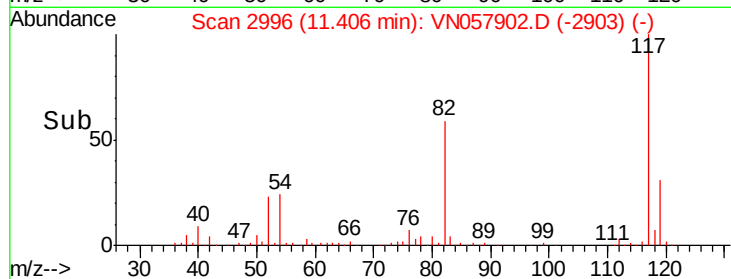
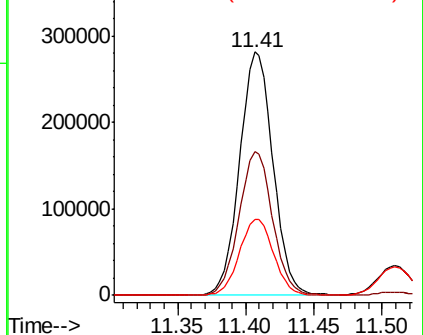
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

Tgt Ion:117 Resp: 478871
Ion Ratio Lower Upper
117 100
82 59.1 47.2 70.8
119 31.2 25.3 37.9



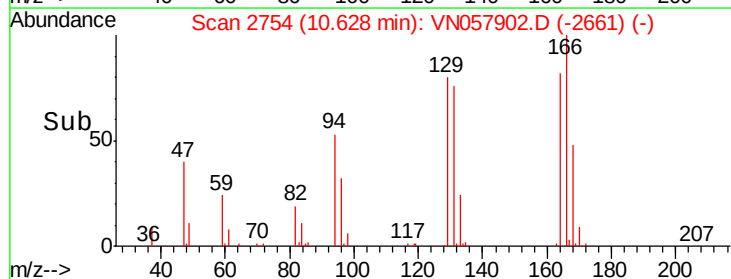
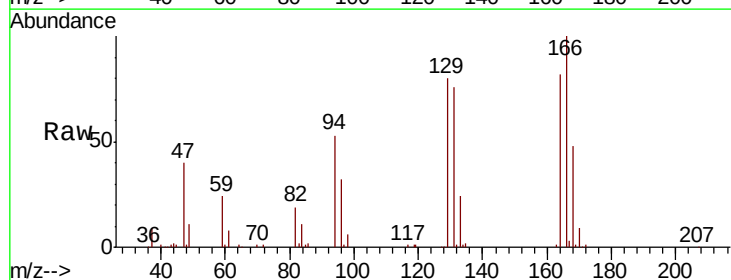
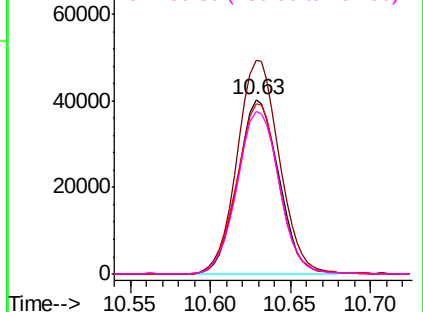
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

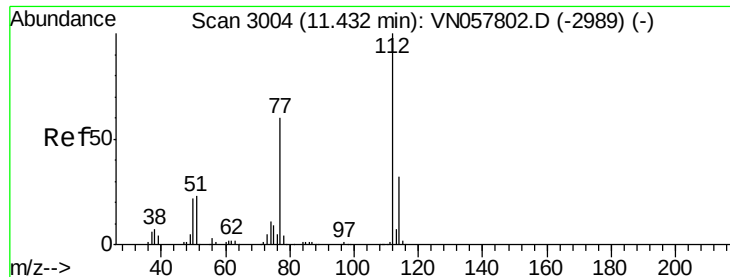


#64
Tetrachloroethene
Concen: 20.046 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion:164 Resp: 70877
Ion Ratio Lower Upper
164 100
166 122.5 102.2 153.2
129 97.5 80.8 121.2
131 93.0 77.4 116.2

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.528 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

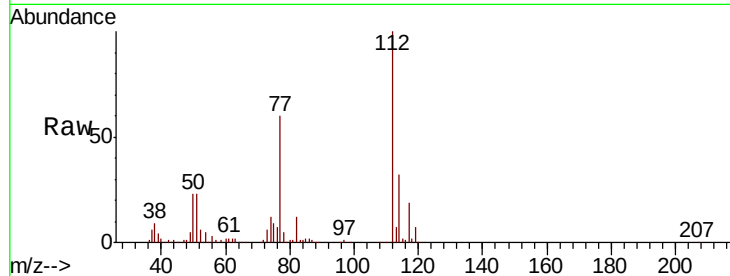
VN0911WBSD02

Tgt Ion:112 Resp: 244734

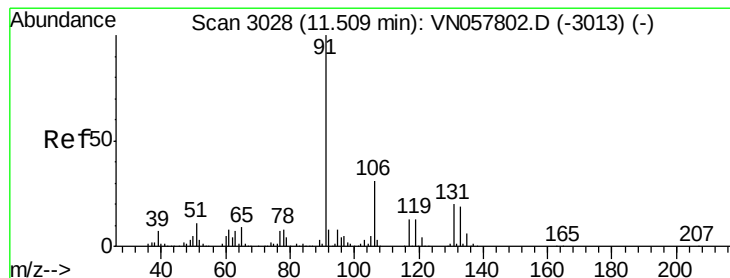
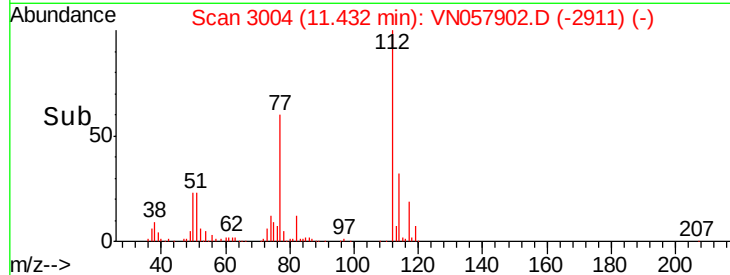
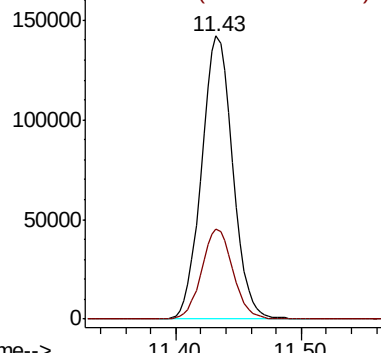
Ion Ratio Lower Upper

112 100

114 31.8 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.287 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

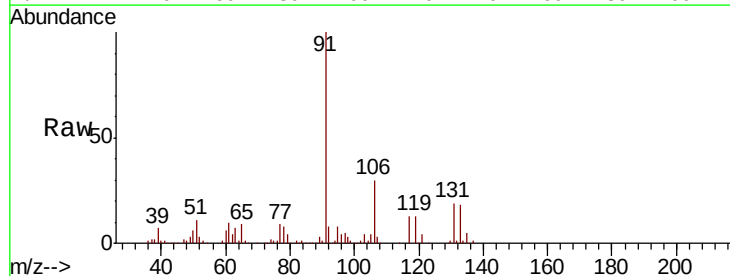
Tgt Ion:131 Resp: 83873

Ion Ratio Lower Upper

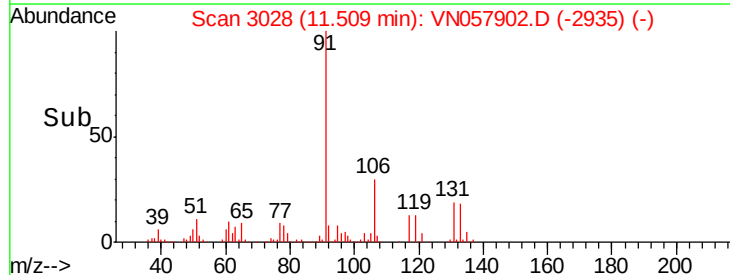
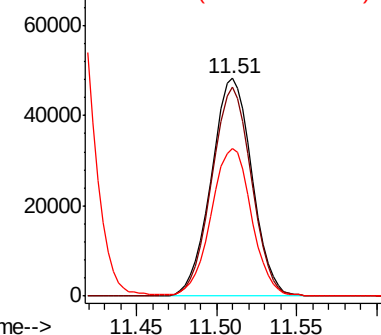
131 100

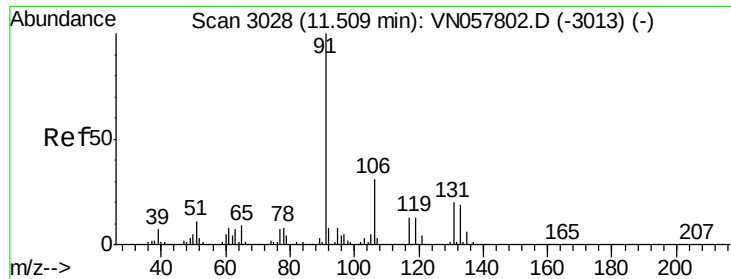
133 93.6 47.1 141.3

119 67.4 33.3 99.8



Abundance Ion 130.80 (130.50 to 131.50): V

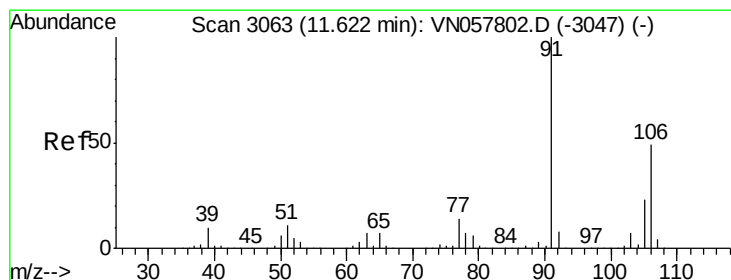
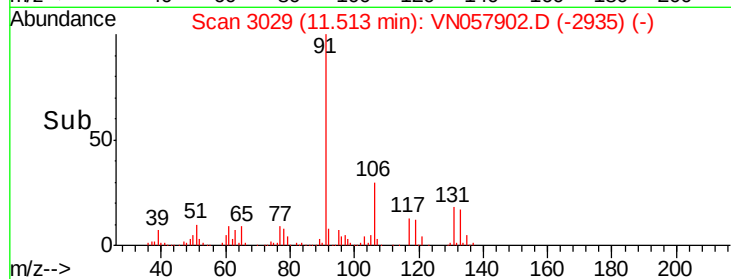
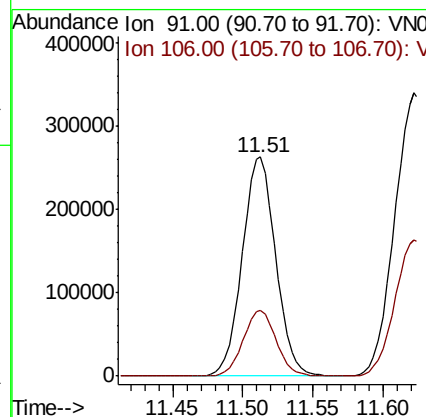
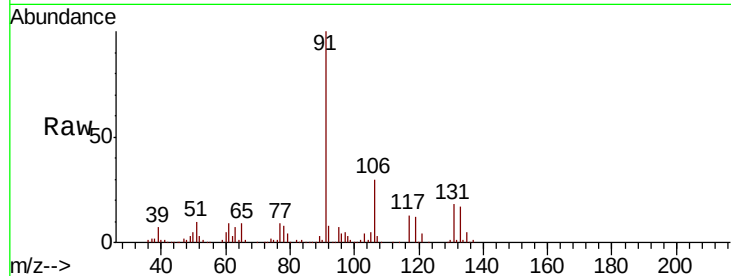




#67
Ethyl Benzene
Concen: 19.930 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

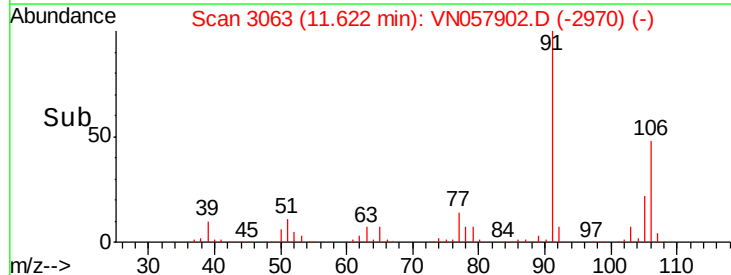
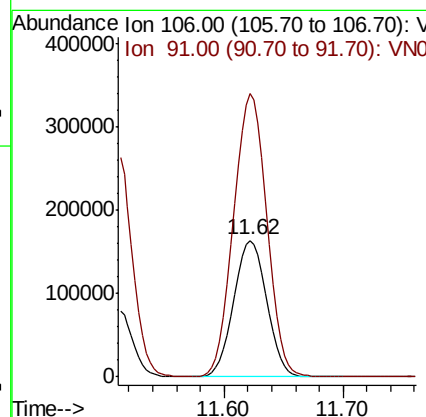
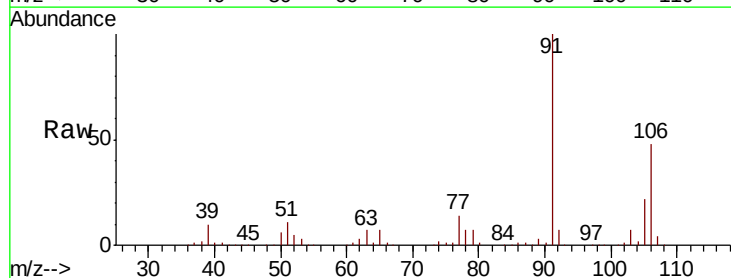
Instrument :
MSVOA_N
ClientSampled :
VN0911WBSD02

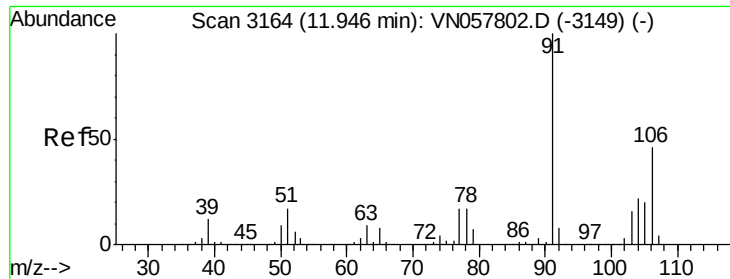
Tgt Ion: 91 Resp: 437730
Ion Ratio Lower Upper
91 100
106 30.1 24.4 36.6



#68
m/p-Xylenes
Concen: 39.262 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 106 Resp: 315871
Ion Ratio Lower Upper
106 100
91 208.4 165.8 248.6

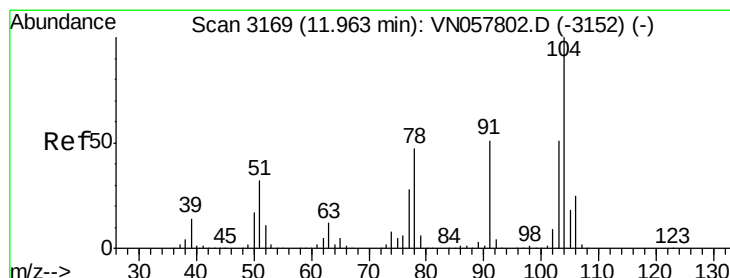
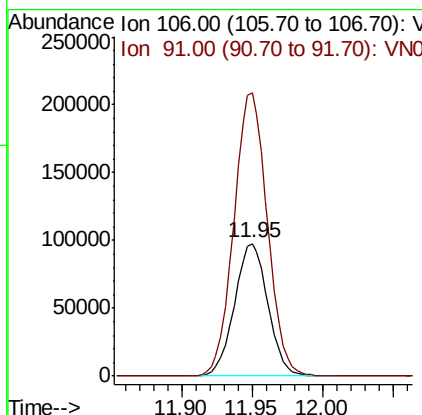
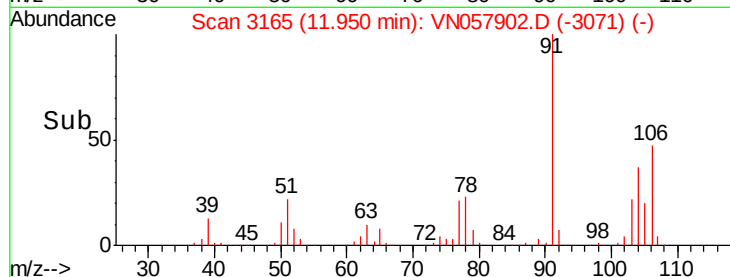
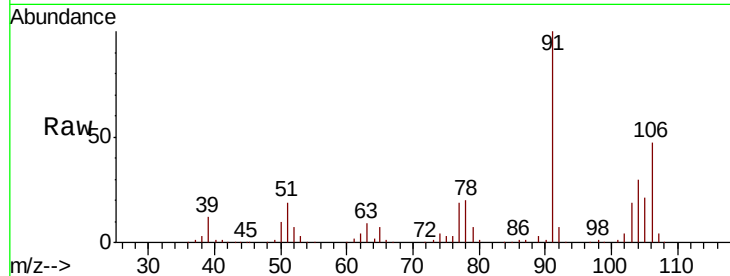




#69
o-Xylene
Concen: 20.287 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

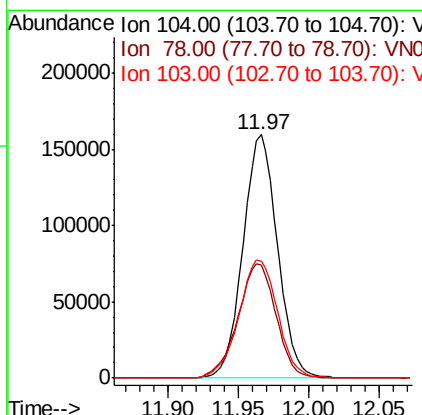
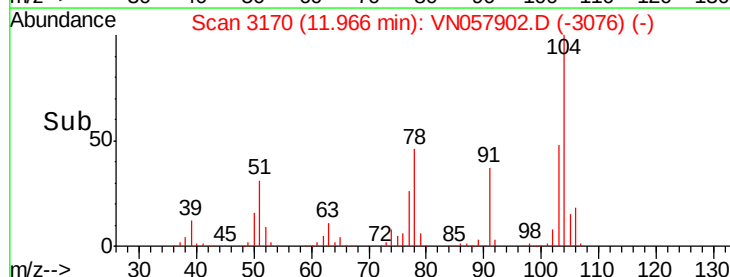
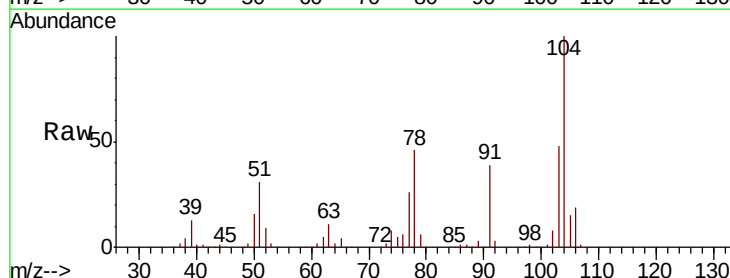
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

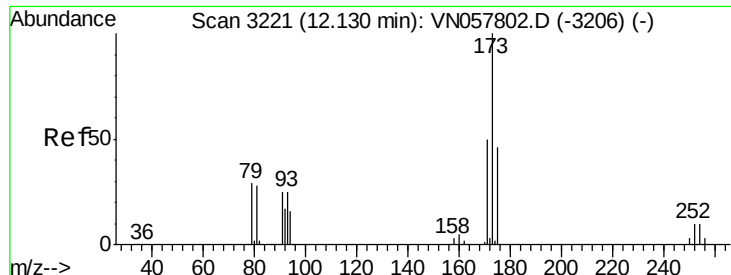
Tgt Ion:106 Resp: 162255
Ion Ratio Lower Upper
106 100
91 214.4 108.7 326.1



#70
Styrene
Concen: 19.897 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion:104 Resp: 273874
Ion Ratio Lower Upper
104 100
78 52.0 41.3 61.9
103 54.5 43.7 65.5





#71

Bromoform

Concen: 17.694 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

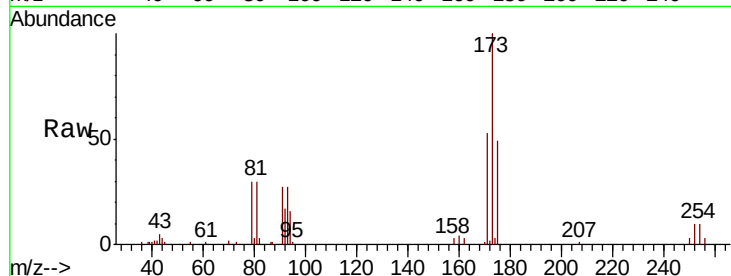
Tgt Ion:173 Resp: 47973

Ion Ratio Lower Upper

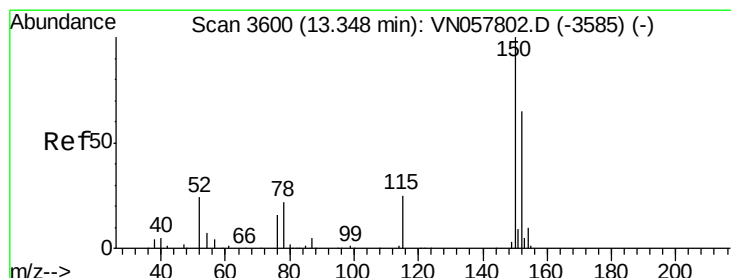
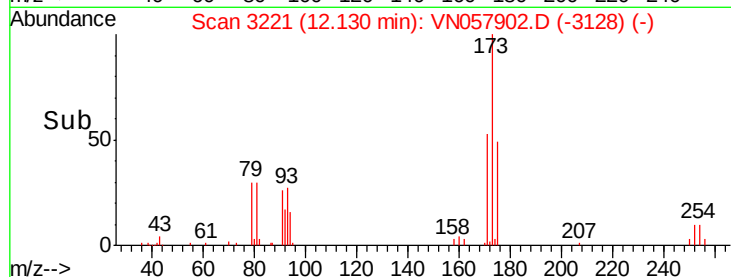
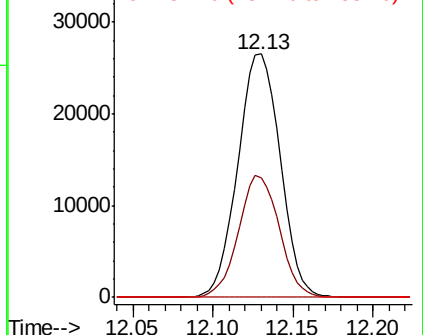
173 100

175 47.8 23.5 70.6

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

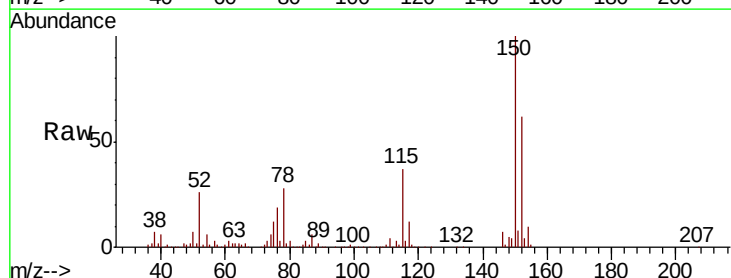
Tgt Ion:152 Resp: 270709

Ion Ratio Lower Upper

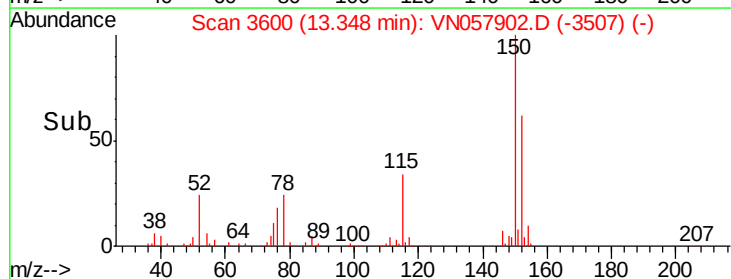
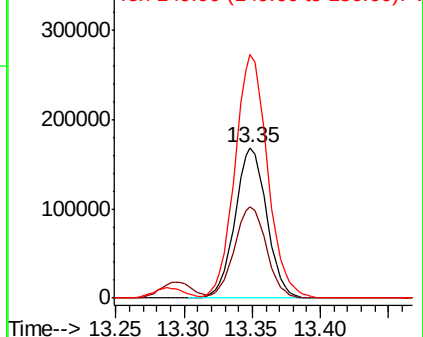
152 100

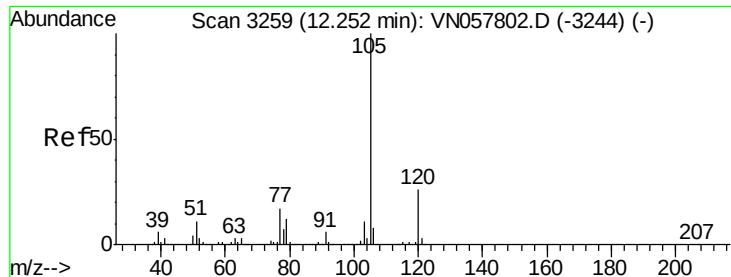
115 61.9 30.3 91.0

150 167.1 0.0 352.4



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

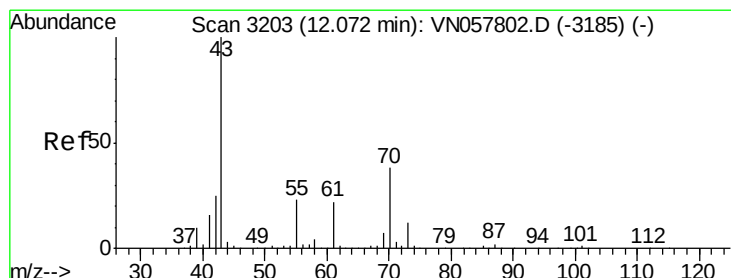
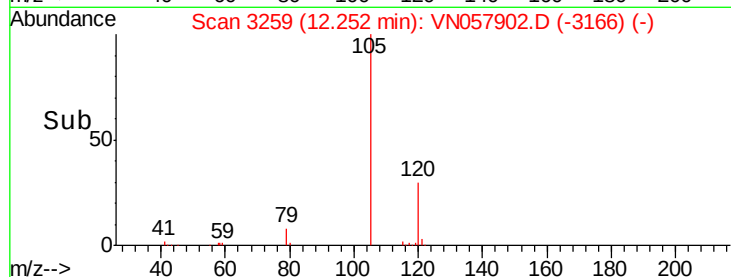
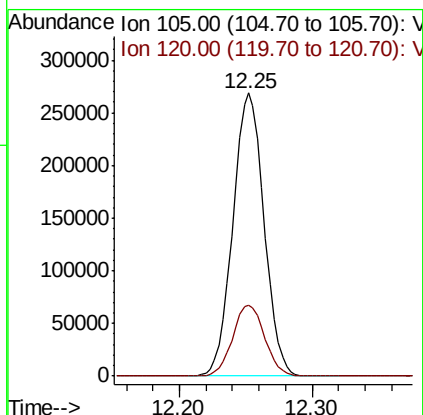
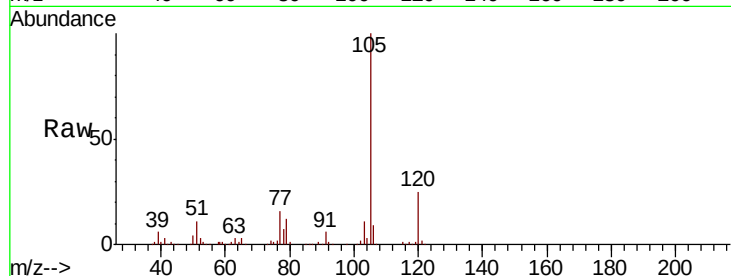




#73
Isopropylbenzene
Concen: 20.818 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

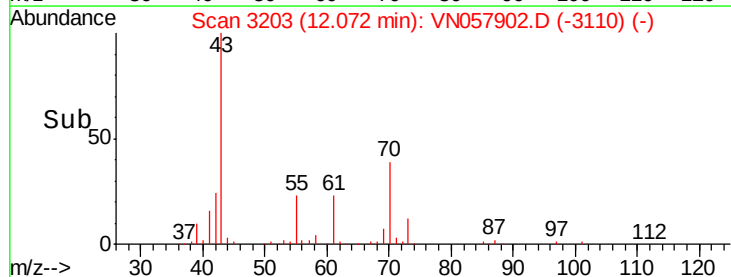
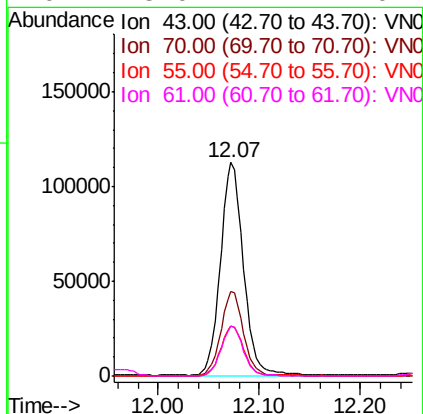
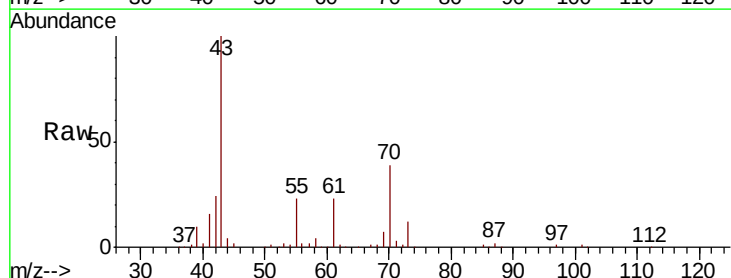
Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD02

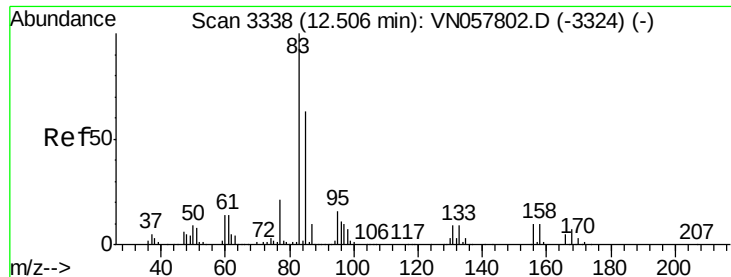
Tgt Ion: 105 Resp: 437314
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.4



#74
N-ethyl acetate
Concen: 19.615 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057902.D
Acq: 11 Sep 2019 6:38

Tgt Ion: 43 Resp: 179323
Ion Ratio Lower Upper
43 100
70 38.9 30.6 45.8
55 23.7 18.6 27.8
61 23.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.593 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

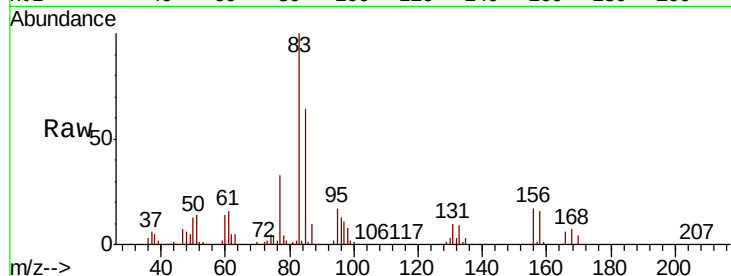
Tgt Ion: 83 Resp: 138574

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

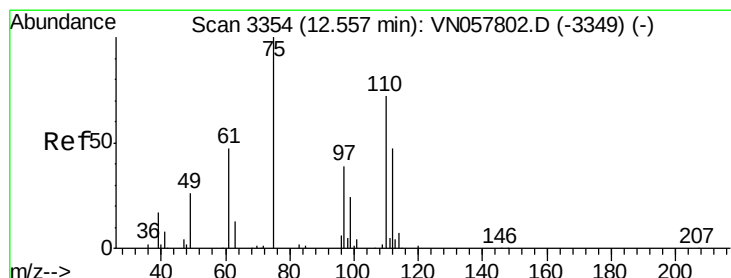
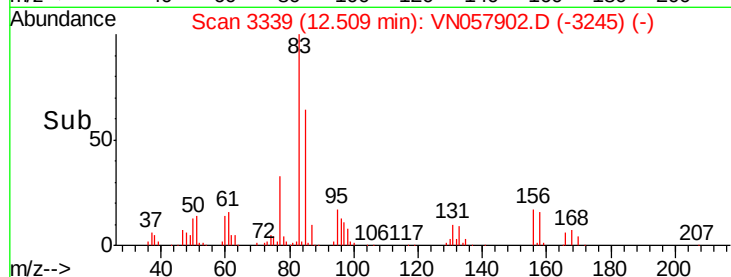
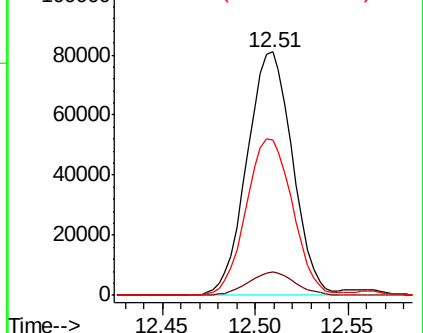
85 65.5 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.538 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN057902.D

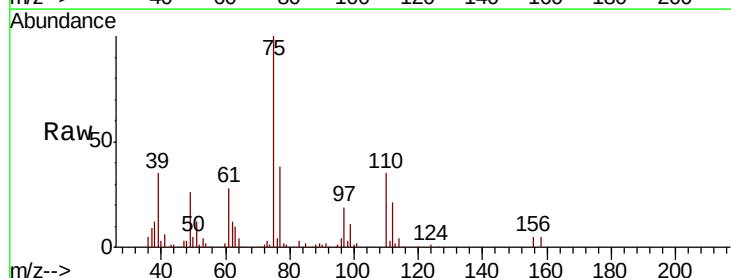
Acq: 11 Sep 2019 6:38

Tgt Ion: 75 Resp: 156395

Ion Ratio Lower Upper

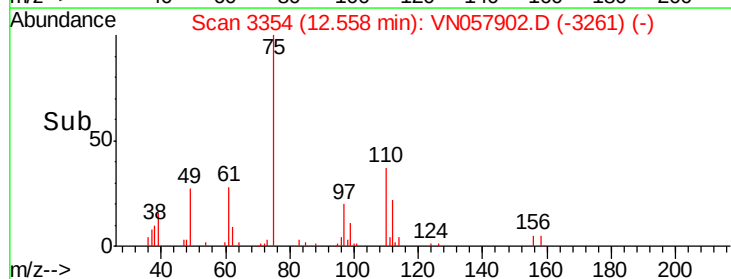
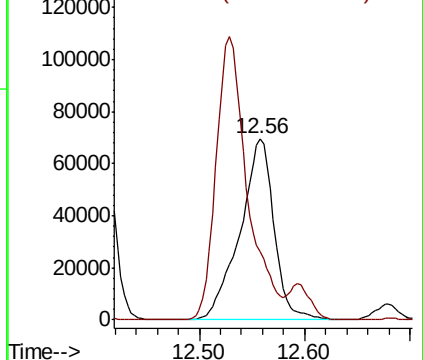
75 100

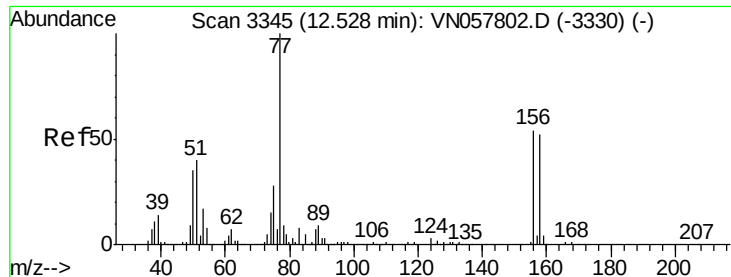
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.694 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

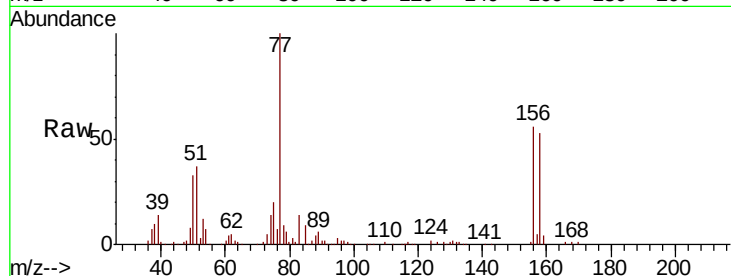
Tgt Ion:156 Resp: 103142

Ion Ratio Lower Upper

156 100

77 217.7 113.7 341.1

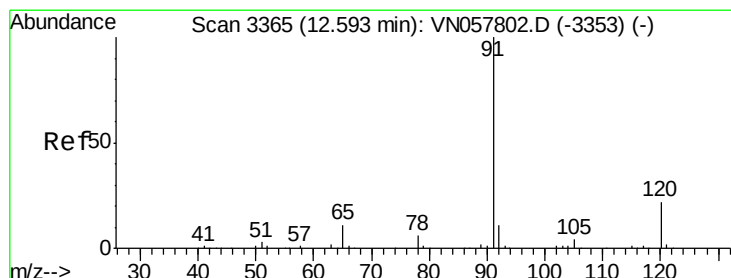
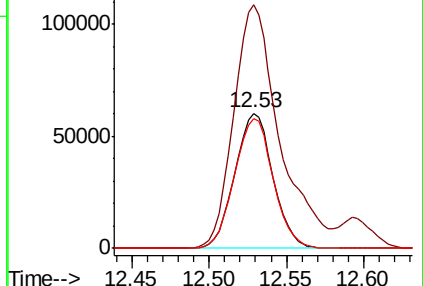
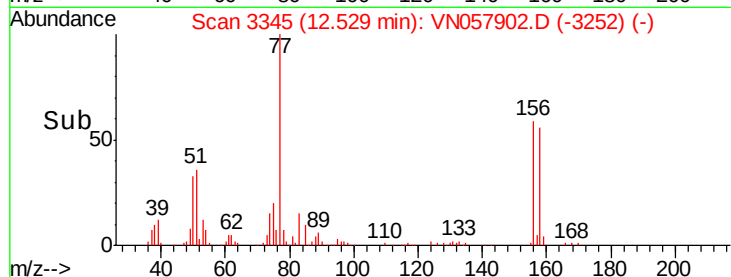
158 97.4 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.936 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN057902.D

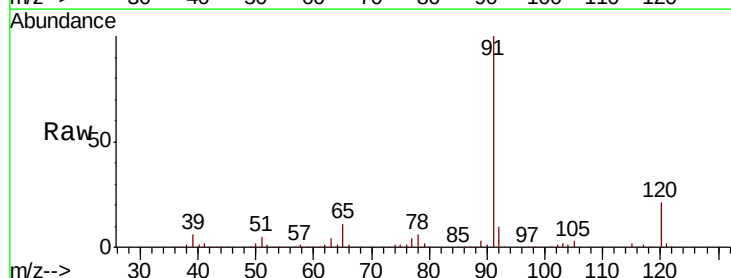
Acq: 11 Sep 2019 6:38

Tgt Ion: 91 Resp: 504997

Ion Ratio Lower Upper

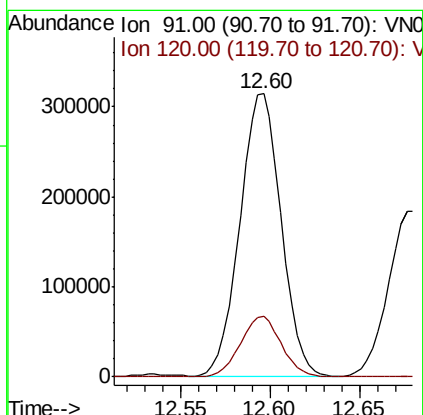
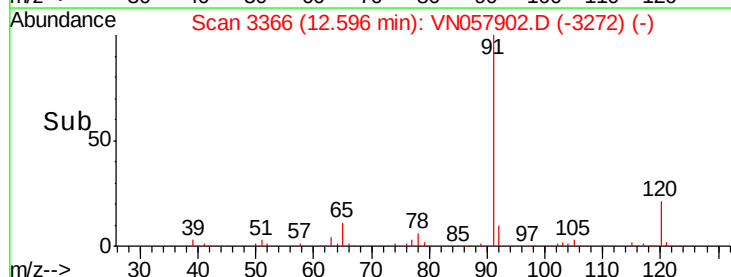
91 100

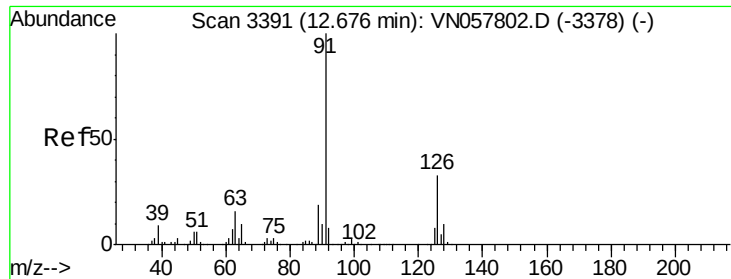
120 21.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

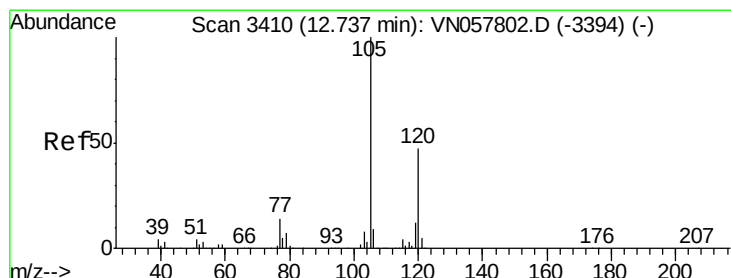
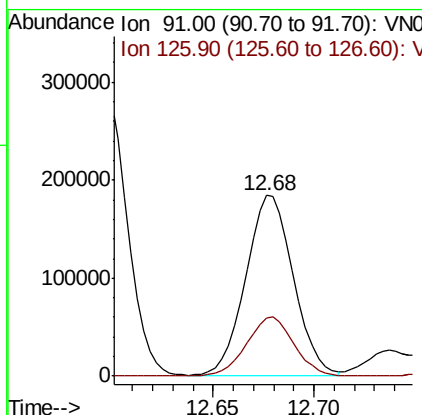
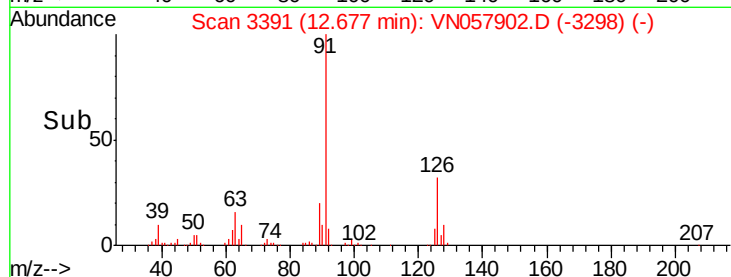
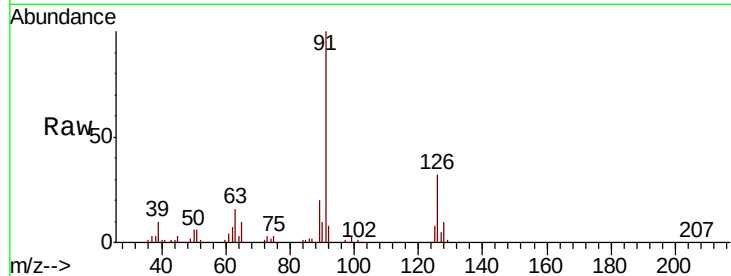




#79
 2-Chlorotoluene
 Concen: 19.870 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

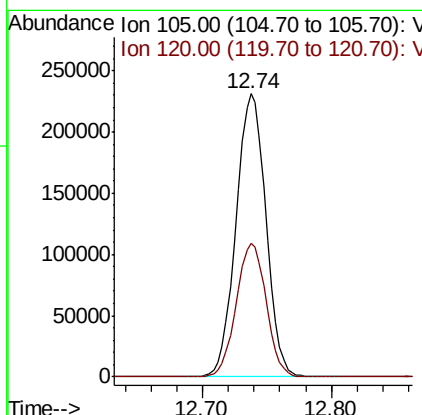
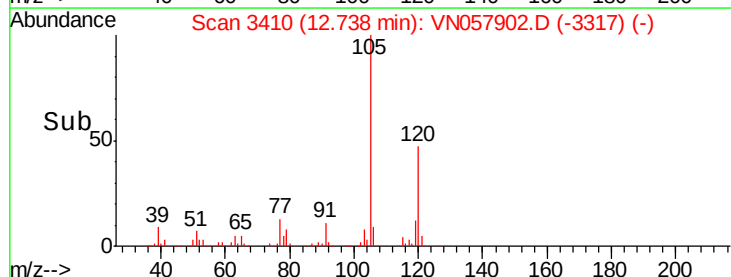
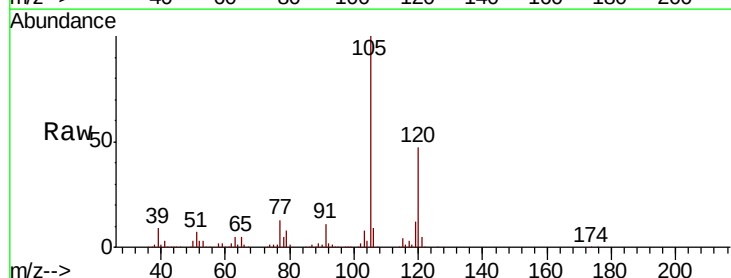
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

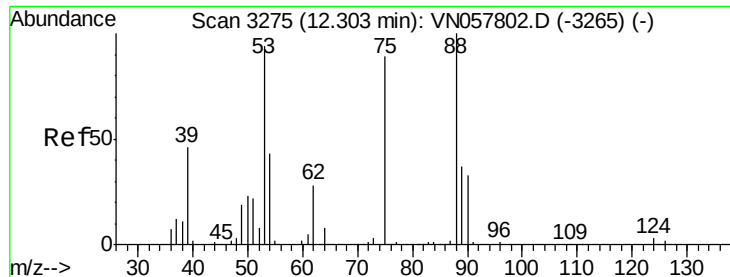
Tgt Ion: 91 Resp: 302935
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.4 49.2



#80
 1,3,5-Trimethylbenzene
 Concen: 20.860 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion: 105 Resp: 370246
 Ion Ratio Lower Upper
 105 100
 120 47.6 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 14.789 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

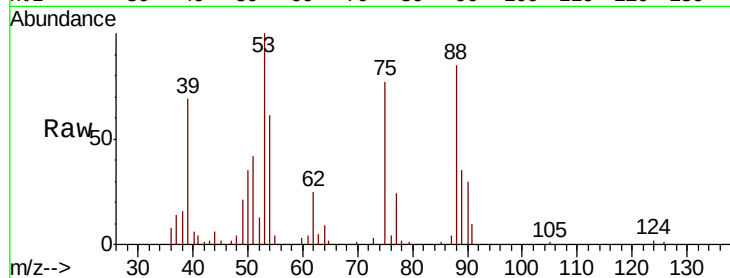
Tgt Ion: 75 Resp: 25737

Ion Ratio Lower Upper

75 100

53 126.1 88.4 132.6

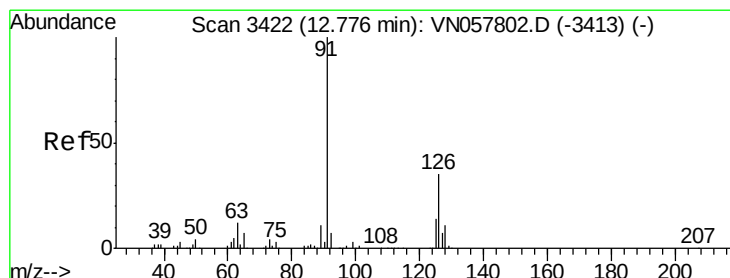
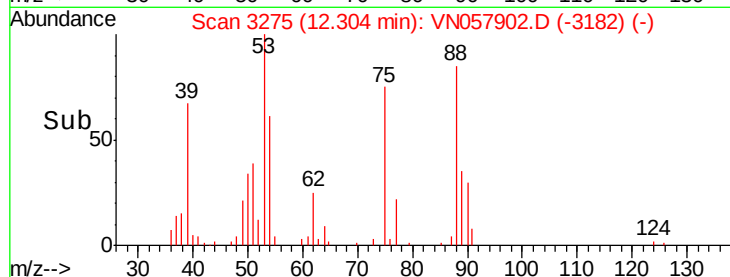
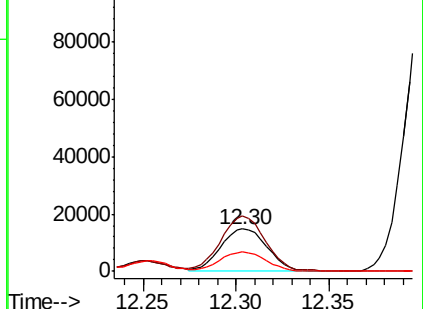
89 45.7 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.613 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057902.D

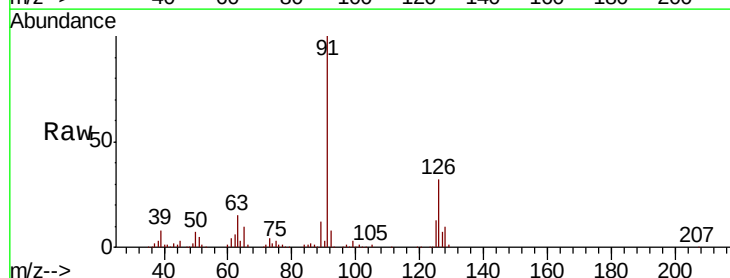
Acq: 11 Sep 2019 6:38

Tgt Ion: 91 Resp: 307067

Ion Ratio Lower Upper

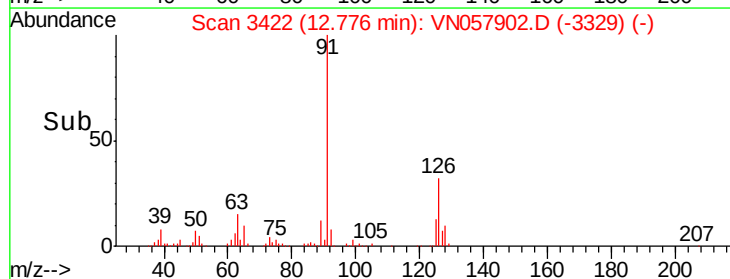
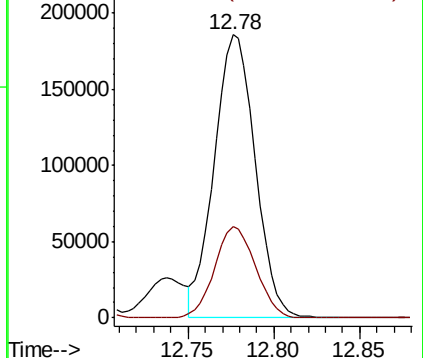
91 100

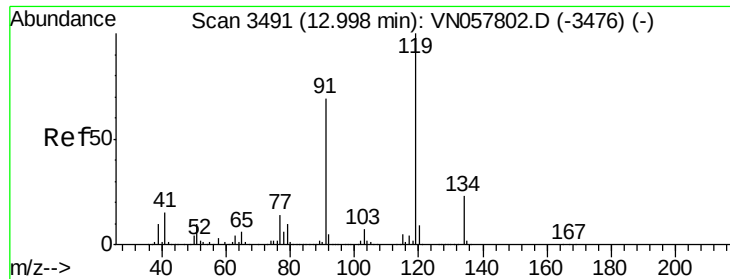
126 32.5 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

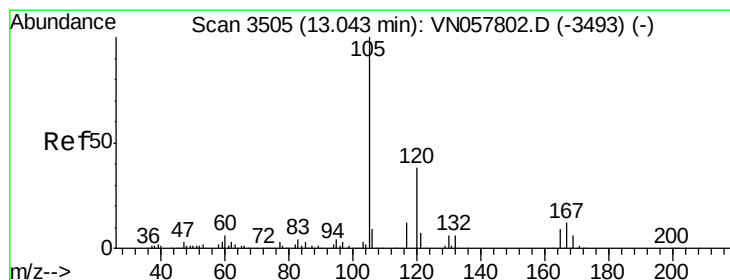
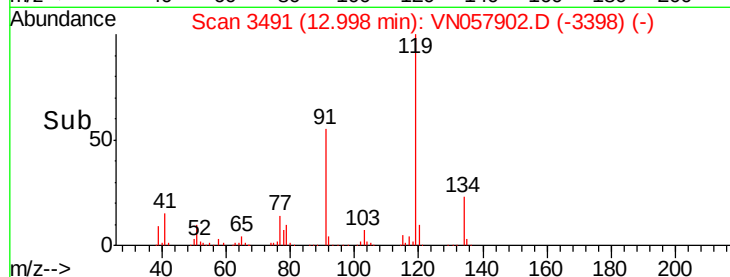
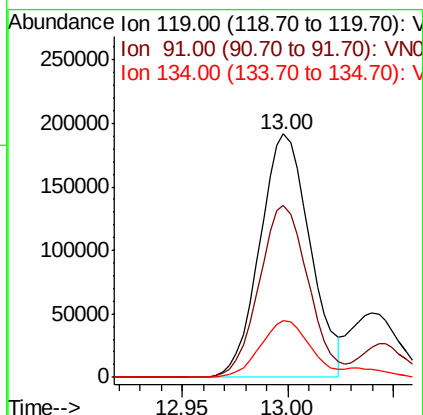
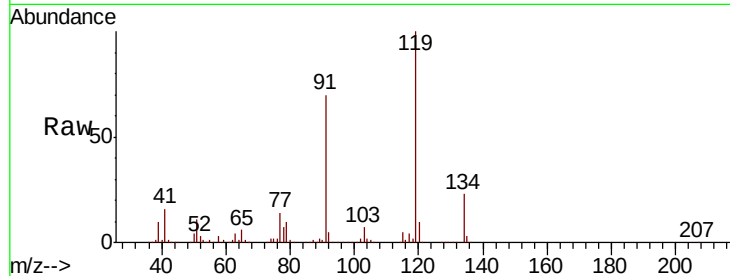




#83
 tert-Butylbenzene
 Concen: 20.144 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

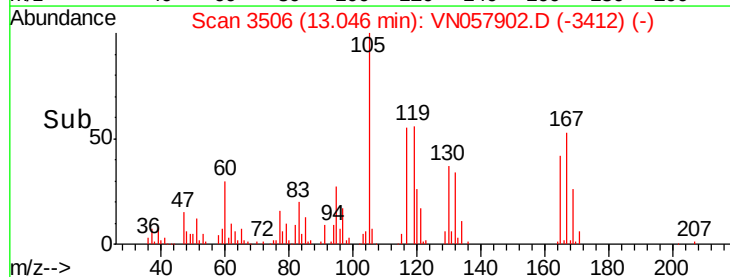
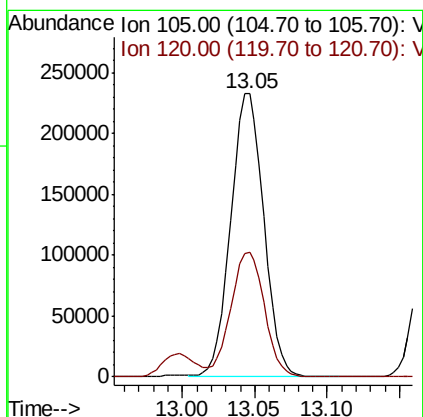
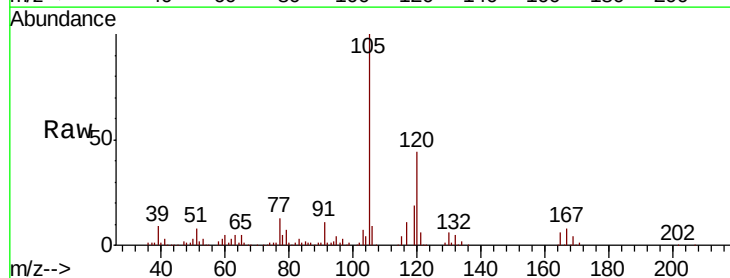
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

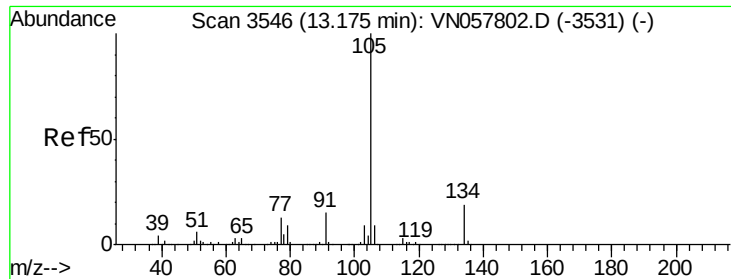
Tgt Ion:119 Resp: 317818
 Ion Ratio Lower Upper
 119 100
 91 69.4 33.6 100.8
 134 23.4 11.7 35.0



#84
 1,2,4-Trimethylbenzene
 Concen: 20.372 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion:105 Resp: 367501
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.4 67.2





#85

sec-Butylbenzene

Concen: 20.767 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

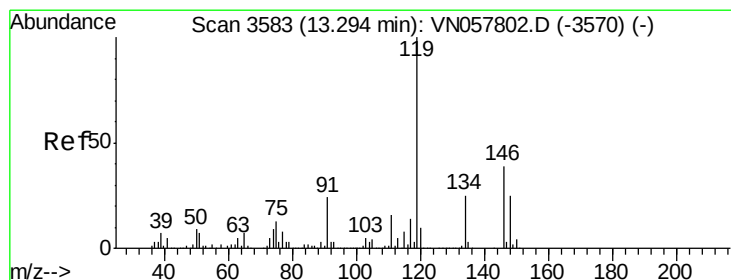
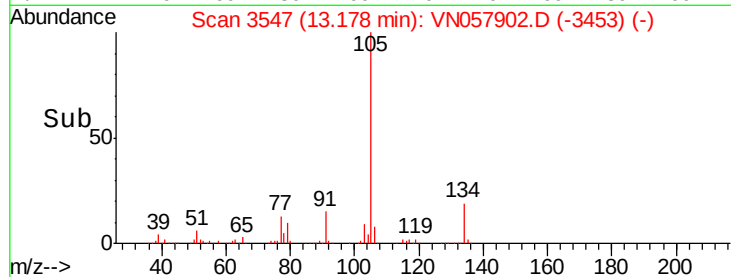
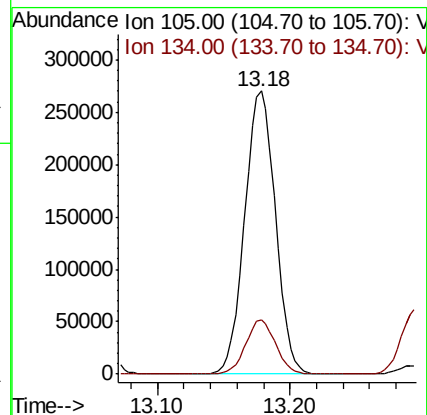
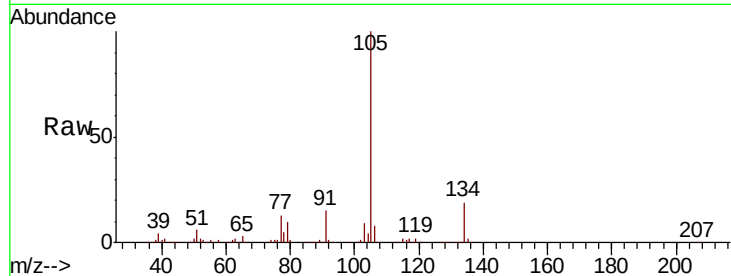
VN0911WBSD02

Tgt Ion:105 Resp: 434258

Ion Ratio Lower Upper

105 100

134 18.7 9.6 28.6



#86

p-Isopropyltoluene

Concen: 20.527 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

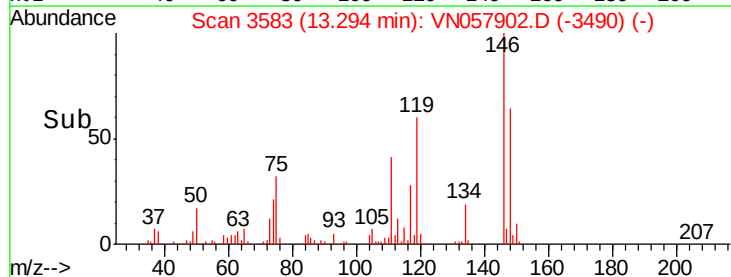
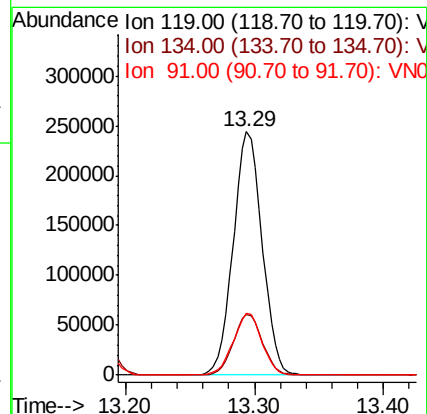
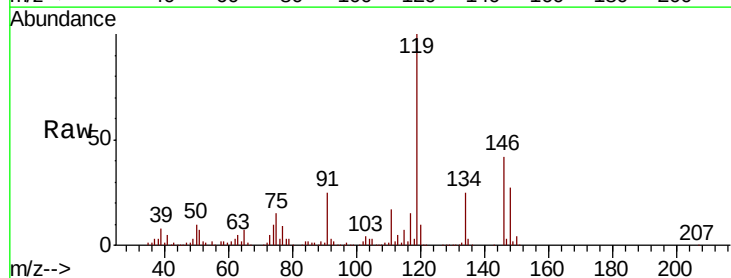
Tgt Ion:119 Resp: 378208

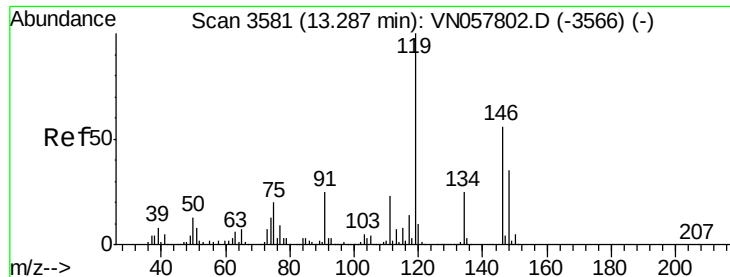
Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

91 25.2 12.3 36.8

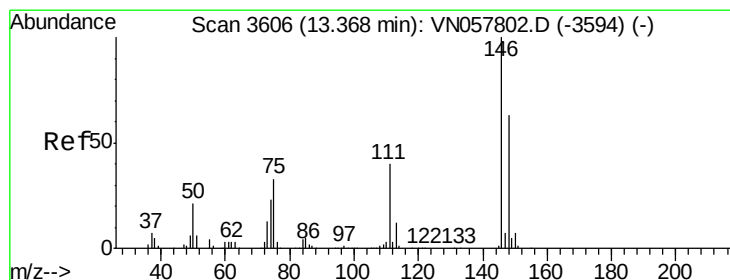
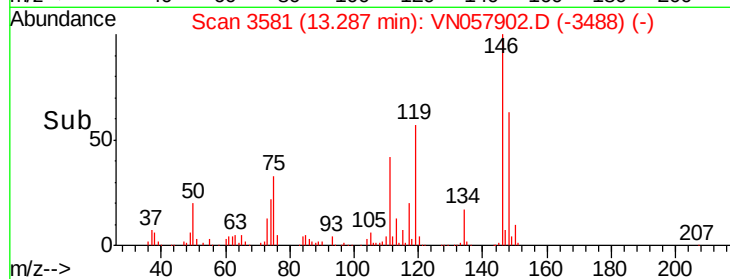
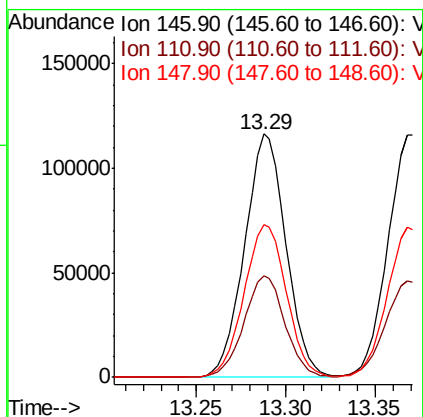
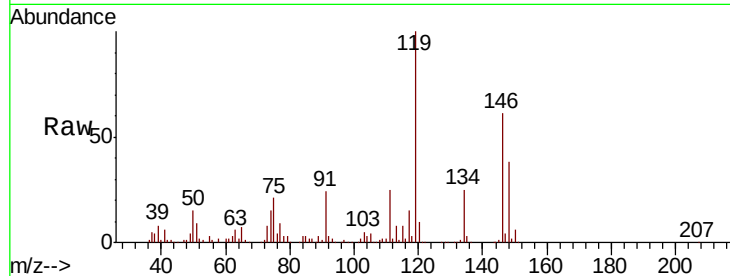




#87
 1,3-Dichlorobenzene
 Concen: 19.656 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

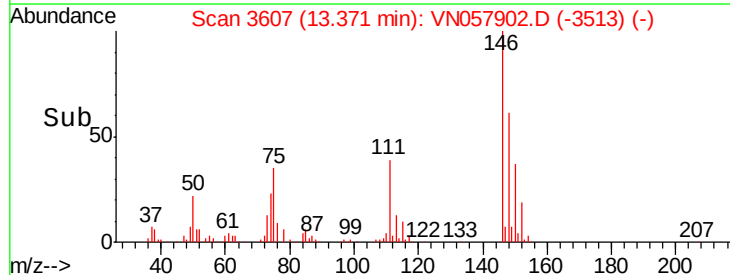
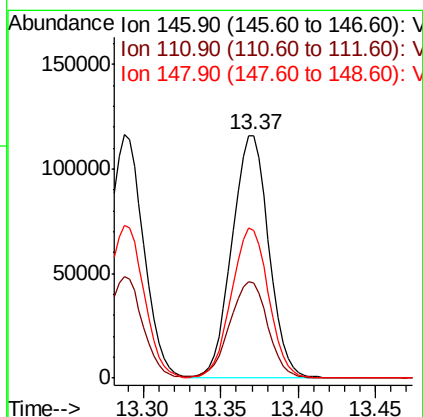
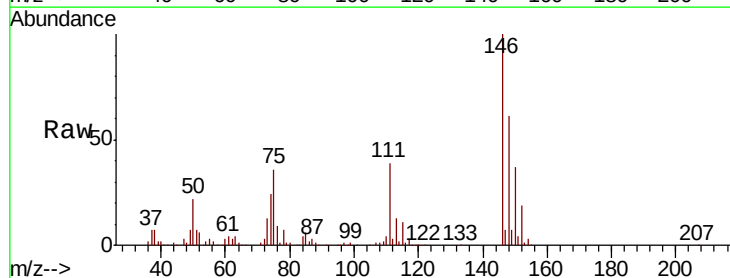
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

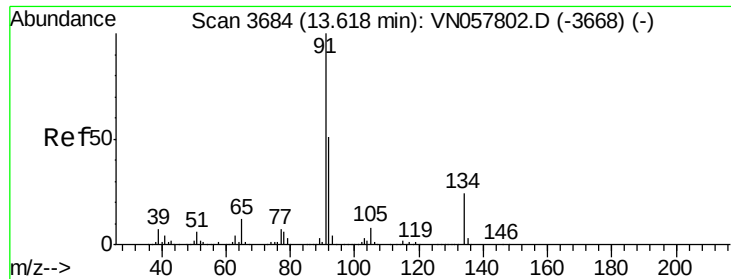
Tgt Ion:146 Resp: 188954
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.5 61.6
 148 64.1 31.5 94.5



#88
 1,4-Dichlorobenzene
 Concen: 19.564 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion:146 Resp: 190901
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.4 61.2
 148 62.4 31.8 95.4





#89

n-Butylbenzene

Concen: 19.628 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampleId :

VN0911WBSD02

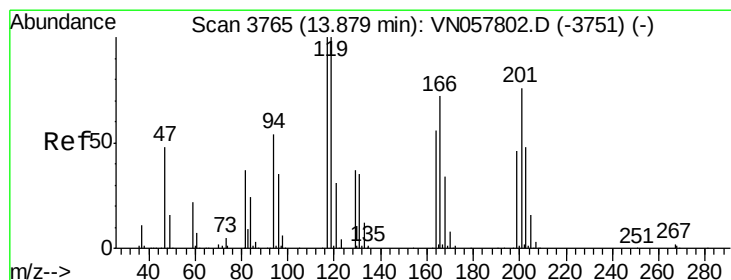
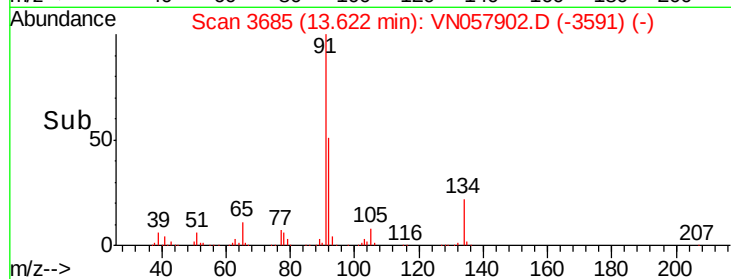
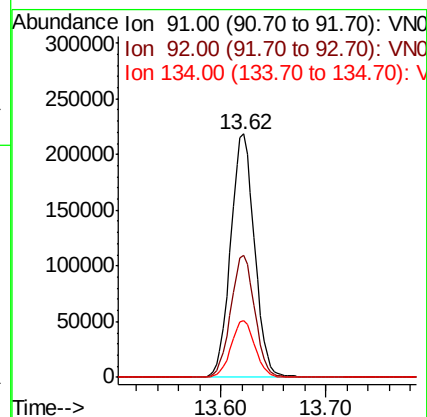
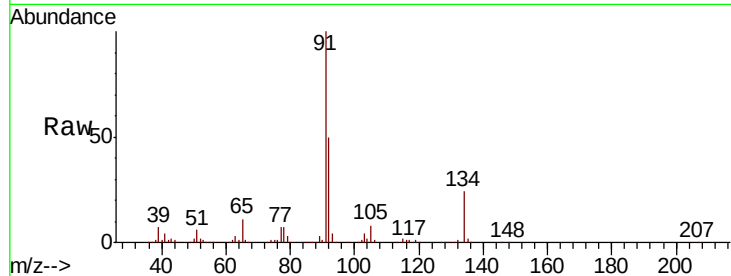
Tgt Ion: 91 Resp: 341523

Ion Ratio Lower Upper

91 100

92 50.4 25.7 77.0

134 23.4 11.9 35.7



#90

Hexachloroethane

Concen: 18.833 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN057902.D

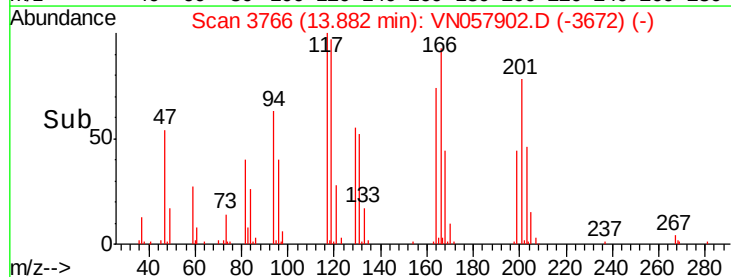
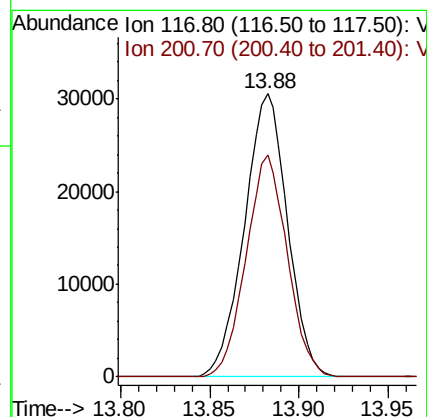
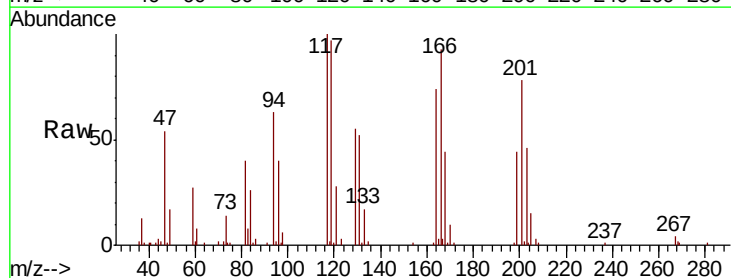
Acq: 11 Sep 2019 6:38

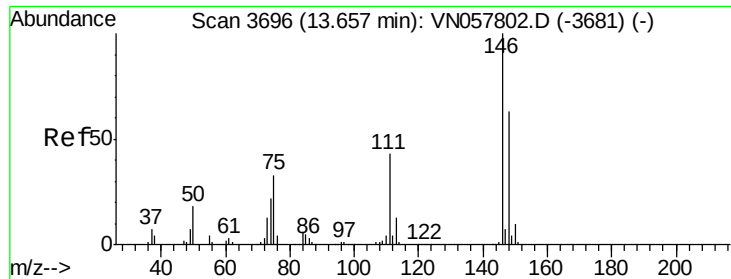
Tgt Ion: 117 Resp: 51607

Ion Ratio Lower Upper

117 100

201 74.9 37.5 112.7

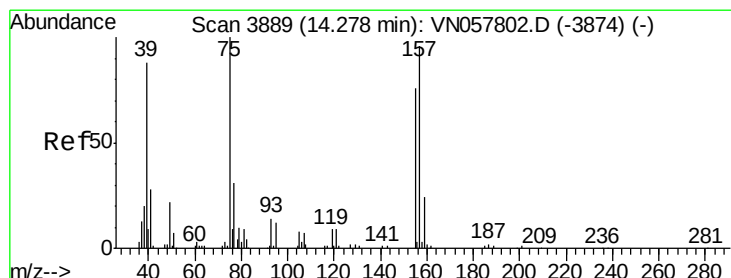
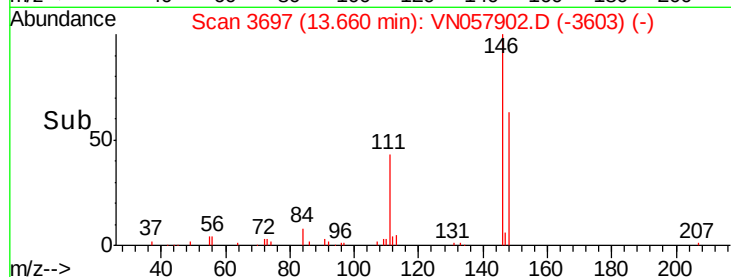
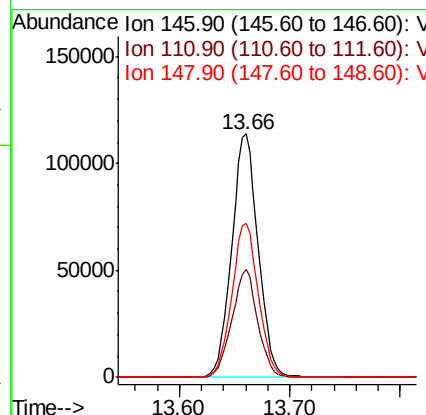
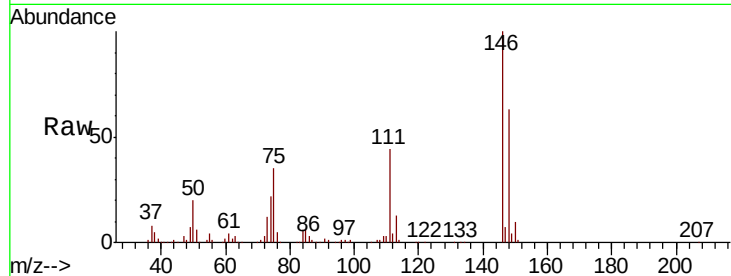




#91
 1,2-Dichlorobenzene
 Concen: 19.685 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

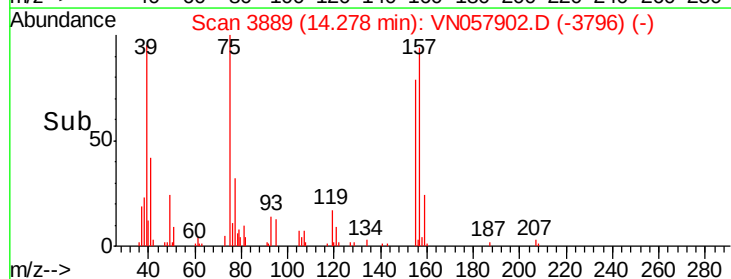
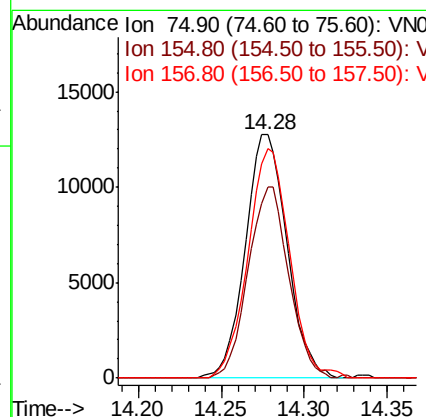
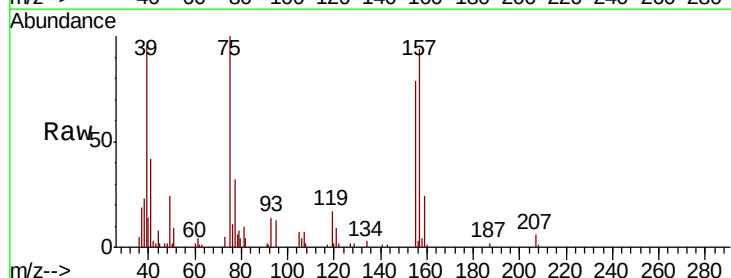
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0911WBSD02

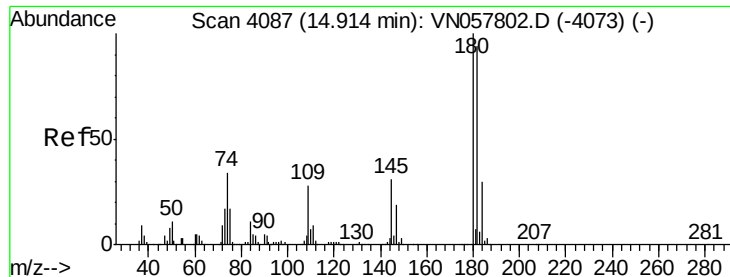
Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.3	63.9
148	63.5	31.4	94.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.168 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.3	37.3	111.8
157	93.8	47.9	143.8

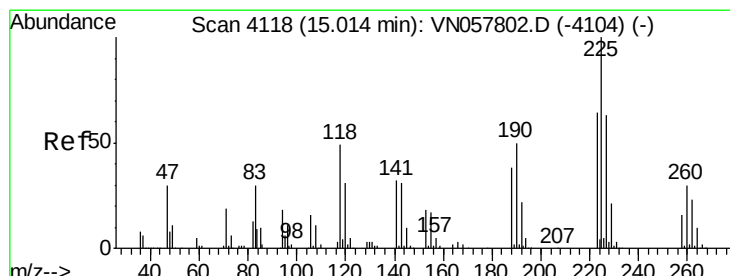
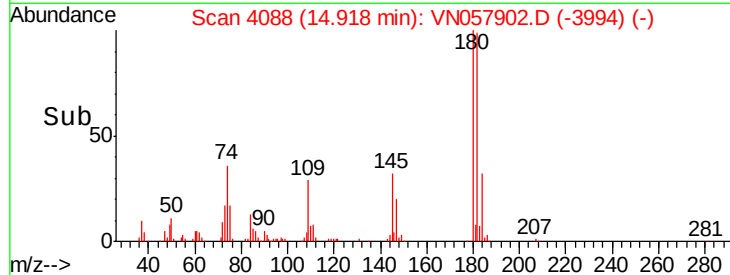
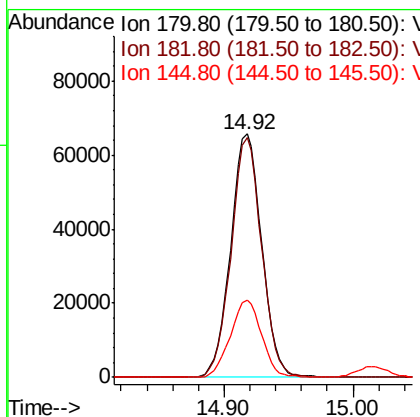
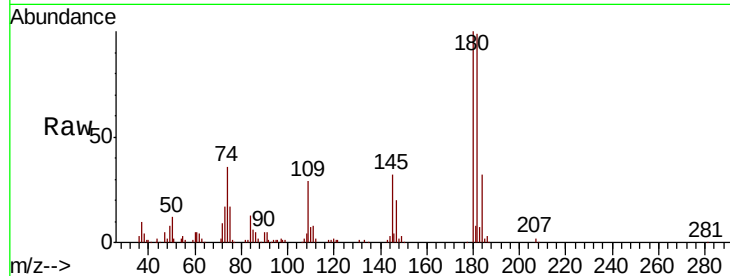




#93
 1,2,4-Trichlorobenzene
 Concen: 17.512 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

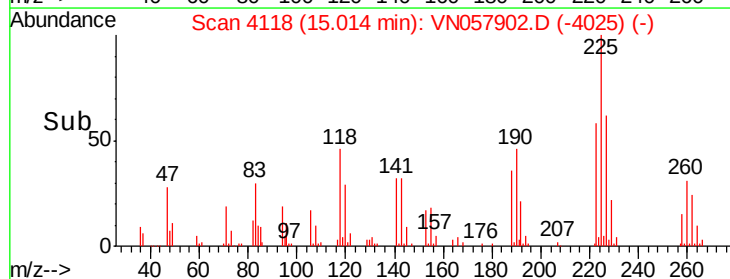
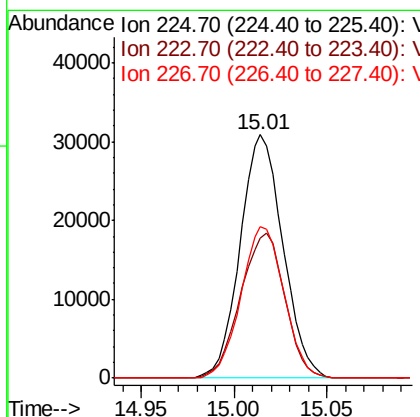
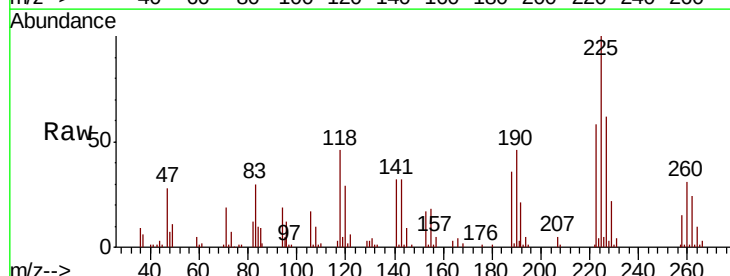
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 ClientSampleId :
 VN0911WBSD02

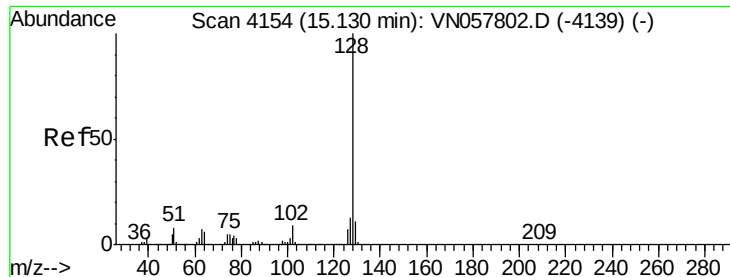
Tgt Ion:180 Resp: 109925
 Ion Ratio Lower Upper
 180 100
 182 96.8 46.9 140.8
 145 31.8 14.9 44.7



#94
 Hexachlorobutadiene
 Concen: 18.590 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057902.D
 Acq: 11 Sep 2019 6:38

Tgt Ion:225 Resp: 49468
 Ion Ratio Lower Upper
 225 100
 223 61.6 32.4 97.2
 227 62.5 31.8 95.4





#95

Naphthalene

Concen: 19.546 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

Instrument :

MSVOA_N

ClientSampled :

VN0911WBSD02

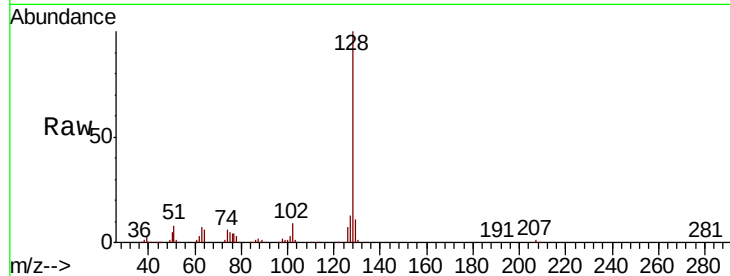
Tgt Ion:128 Resp: 324910

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

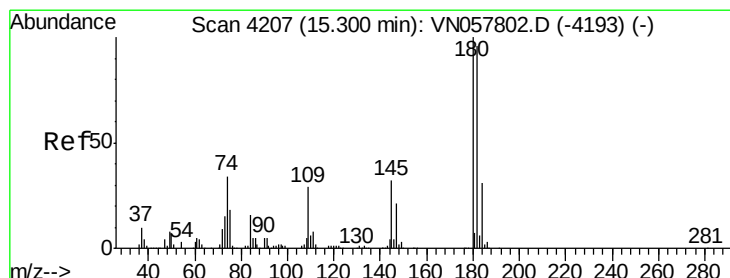
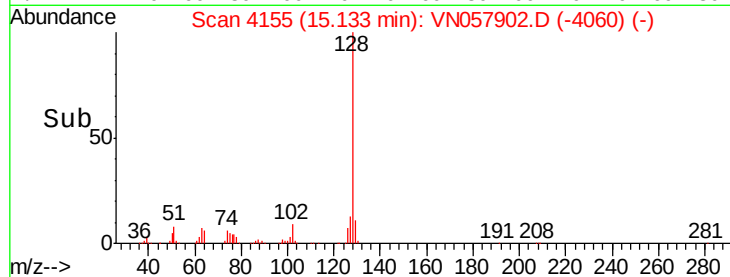
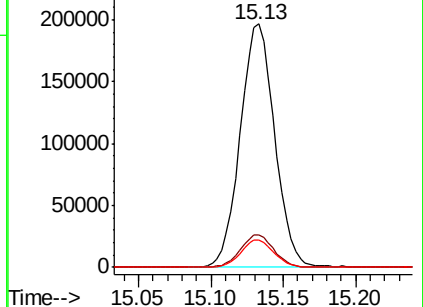
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.208 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057902.D

Acq: 11 Sep 2019 6:38

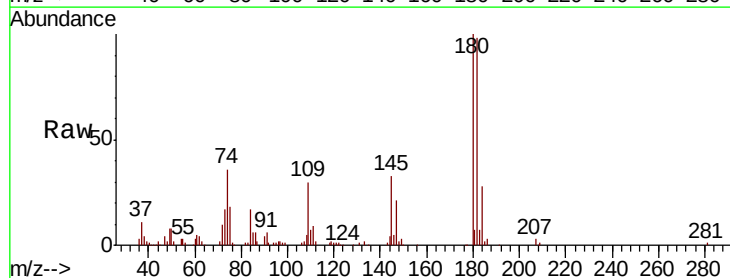
Tgt Ion:180 Resp: 107418

Ion Ratio Lower Upper

180 100

182 96.5 48.3 144.8

145 31.8 16.3 48.8



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

