

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
 Data File : VN057094.D
 Acq On : 6 Aug 2019 11:38
 Operator : JC/SP
 Sample : VN0806WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

Quant Time: Aug 07 02:21:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	408384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	604740	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	526285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	214288	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	210411	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.58	113	191917	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	10.08	98	703372	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.40	95	228597	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	81149	19.656	ug/l	100
3) Chloromethane	2.05	50	86049	17.406	ug/l	99
4) Vinyl Chloride	2.18	62	81614	17.606	ug/l	99
5) Bromomethane	2.50	94	42775	14.843	ug/l	99
6) Chloroethane	2.62	64	42056	16.458	ug/l	96
7) Trichlorofluoromethane	2.95	101	119479	19.690	ug/l	99
8) Diethyl Ether	3.39	74	46459	20.458	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	73894	19.642	ug/l	98
10) Methyl Iodide	3.92	142	76105	15.139	ug/l	98
11) Tert butyl alcohol	4.82	59	52248	92.465	ug/l #	84
12) 1,1-Dichloroethene	3.70	96	67971	18.935	ug/l	97
13) Acrolein	3.59	56	15427	51.228	ug/l	96
14) Allyl chloride	4.29	41	107202	18.359	ug/l	97
15) Acrylonitrile	4.97	53	159022	95.967	ug/l	100
16) Acetone	3.82	43	131358	86.736	ug/l	98
17) Carbon Disulfide	4.01	76	139674	14.643	ug/l	98
18) Methyl Acetate	4.31	43	105728	21.884	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	222073	20.748	ug/l	98
20) Methylene Chloride	4.53	84	84550	19.381	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	71503	18.756	ug/l	97
22) Diisopropyl ether	5.94	45	239636	19.918	ug/l	96
23) Vinyl Acetate	5.88	43	808246	96.961	ug/l	99
24) 1,1-Dichloroethane	5.82	63	140642	19.813	ug/l	99
25) 2-Butanone	6.83	43	193908	90.294	ug/l	96
26) 2,2-Dichloropropane	6.80	77	106661	19.762	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88174	19.555	ug/l	99
28) Bromochloromethane	7.18	49	61978	18.576	ug/l	97
29) Tetrahydrofuran	7.20	42	129207	92.216	ug/l	98
30) Chloroform	7.36	83	143349	19.751	ug/l	100
31) Cyclohexane	7.64	56	123980	18.049	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	117304	20.257	ug/l	99
36) 1,1-Dichloropropene	7.78	75	99531	18.704	ug/l	100
37) Ethyl Acetate	6.92	43	83933	19.694	ug/l	97
38) Carbon Tetrachloride	7.76	117	101264	20.118	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	120039	17.650	ug/l	98
40) Benzene	8.03	78	319625	19.502	ug/l	100
41) Methacrylonitrile	7.20	41	115302	58.522	ug/l #	12
42) 1,2-Dichloroethane	8.11	62	105094	20.459	ug/l	100
43) Isopropyl Acetate	8.16	43	143639	20.391	ug/l #	87
44) Trichloroethene	8.82	130	87193	19.310	ug/l	100
45) 1,2-Dichloropropane	9.11	63	86458	19.722	ug/l	100
46) Dibromomethane	9.20	93	52554	19.878	ug/l	96
47) Bromodichloromethane	9.39	83	102642	19.746	ug/l	99
48) Methyl methacrylate	9.19	41	67444	19.831	ug/l	99
49) 1,4-Dioxane	9.20	88	29205	416.706	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	397680	95.016	ug/l	100
52) Toluene	10.15	92	195110	19.814	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	103739	19.232	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	122620	19.551	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	79898	20.232	ug/l	99
56) Ethyl methacrylate	10.43	69	105332	18.801	ug/l	98
57) 1,3-Dichloropropane	10.70	76	130019	19.855	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	179755	75.960	ug/l	100
59) 2-Hexanone	10.75	43	285526	90.200	ug/l	100
60) Dibromochloromethane	10.90	129	81103	20.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	78868	20.465	ug/l	98
64) Tetrachloroethene	10.63	164	86697	19.116	ug/l	99
65) Chlorobenzene	11.43	112	211490	19.717	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	82354	20.399	ug/l	98
67) Ethyl Benzene	11.50	91	356099	19.209	ug/l	100
68) m/p-Xylenes	11.62	106	269410	39.377	ug/l	100
69) o-Xylene	11.94	106	135377	20.225	ug/l	98
70) Styrene	11.96	104	215828	19.428	ug/l	99
71) Bromoform	12.12	173	57526	20.409	ug/l #	99
73) Isopropylbenzene	12.25	105	354117	19.121	ug/l	100
74) N-amyl acetate	12.07	43	109806	20.420	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	109149	21.881	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124737	28.663	ug/l #	100
77) Bromobenzene	12.52	156	96994	20.067	ug/l	100
78) n-propylbenzene	12.59	91	360446	18.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	235983	19.381	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	301488	19.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	26721	19.728	ug/l	93
82) 4-Chlorotoluene	12.77	91	216828	19.029	ug/l	99
83) tert-Butylbenzene	12.99	119	271102	20.148	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	285154	19.497	ug/l	99
85) sec-Butylbenzene	13.17	105	326385	18.805	ug/l	99
86) p-Isopropyltoluene	13.29	119	288694	18.735	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	141717	19.275	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	135540	19.150	ug/l	99
89) n-Butylbenzene	13.61	91	204251	17.199	ug/l	99
90) Hexachloroethane	13.87	117	51432	19.384	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	149860	20.710	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15556	21.119	ug/l	93

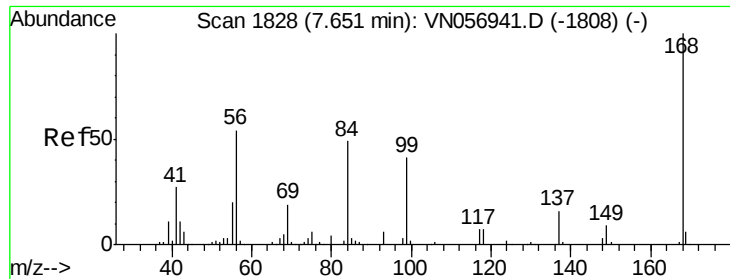
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080619\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52235	15.946	ug/l	98
94) Hexachlorobutadiene	15.00	225	56624	20.439	ug/l	98
95) Naphthalene	15.12	128	118409	15.660	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	59566	17.193	ug/l	98

(#) = 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: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

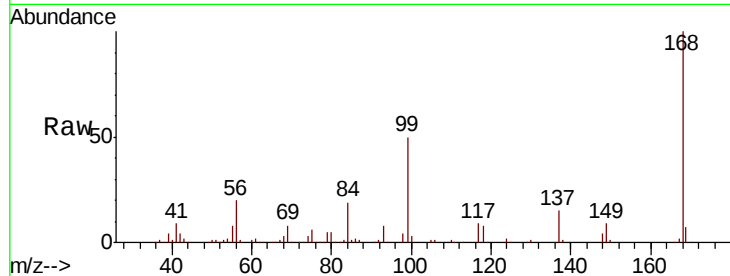
VN0806WBSD01

Tgt Ion:168 Resp: 408384

Ion Ratio Lower Upper

168 100

99 49.5 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

200000

150000

100000

50000

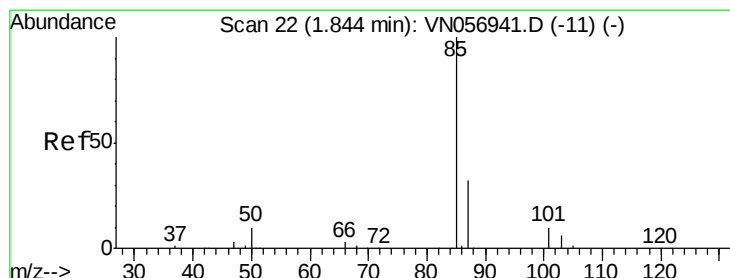
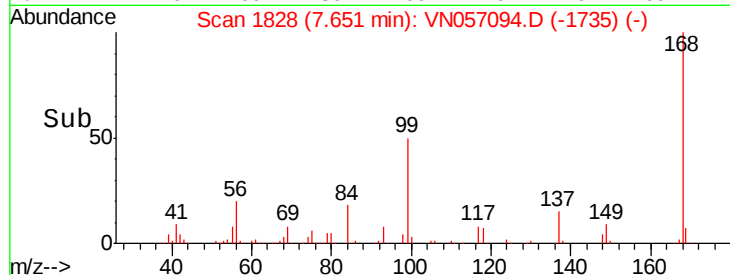
0

7.65

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.656 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057094.D

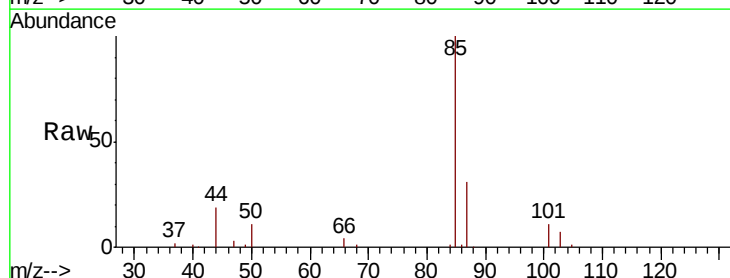
Acq: 6 Aug 2019 11:38

Tgt Ion: 85 Resp: 81149

Ion Ratio Lower Upper

85 100

87 31.4 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

50000

40000

30000

20000

10000

0

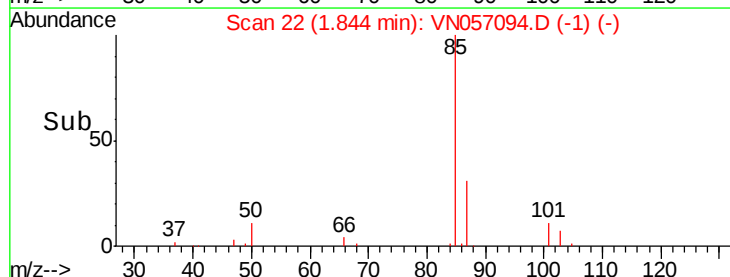
1.84

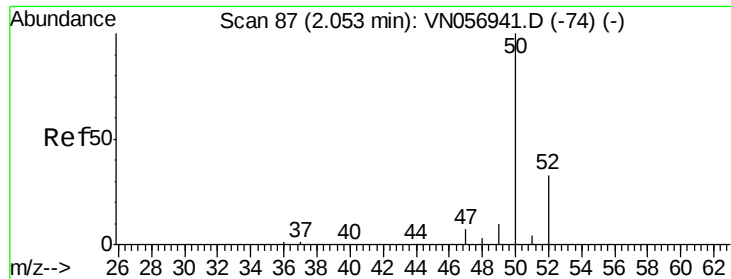
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 17.406 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

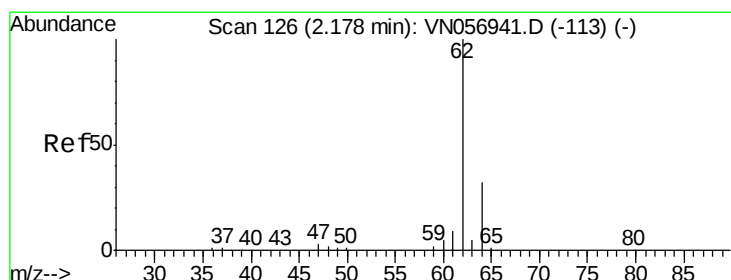
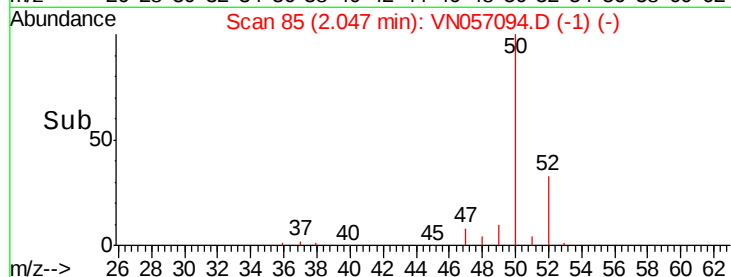
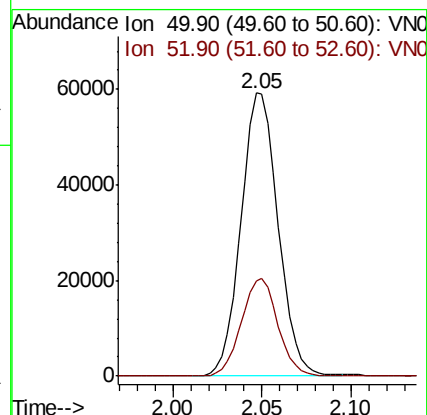
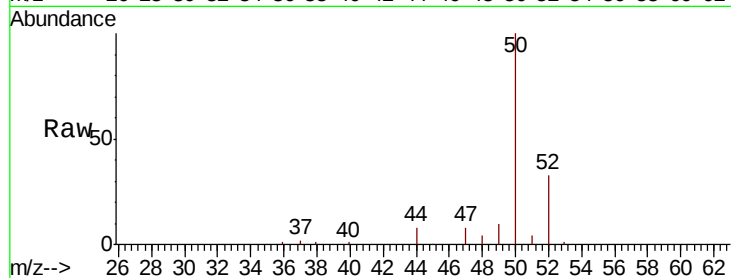
VN0806WBSD01

Tgt Ion: 50 Resp: 86049

Ion Ratio Lower Upper

50 100

52 33.5 26.2 39.2



#4

Vinyl Chloride

Concen: 17.606 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057094.D

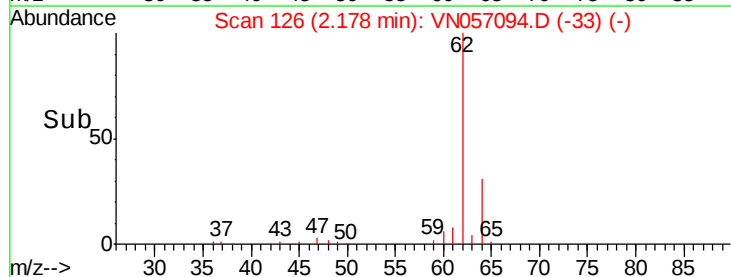
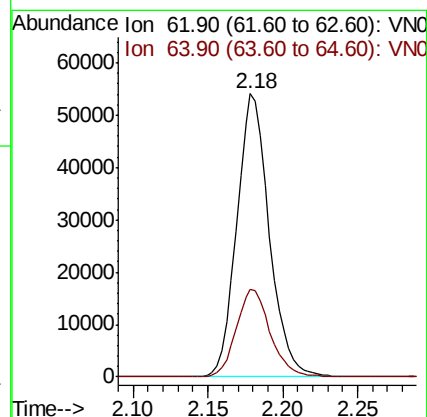
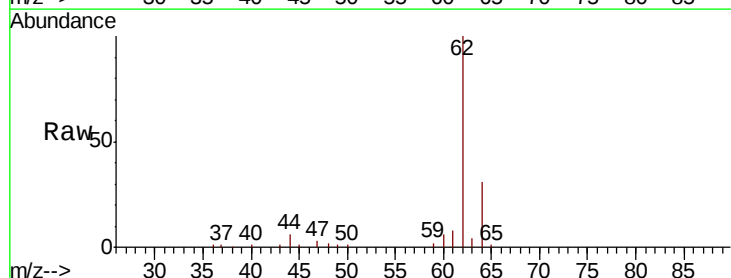
Acq: 6 Aug 2019 11:38

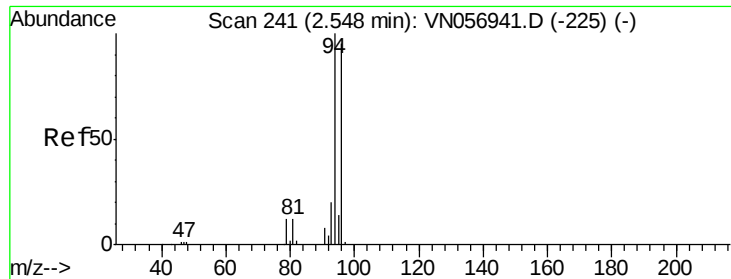
Tgt Ion: 62 Resp: 81614

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 14.843 ug/l

RT: 2.50 min Scan# 227

Delta R.T. -0.05 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

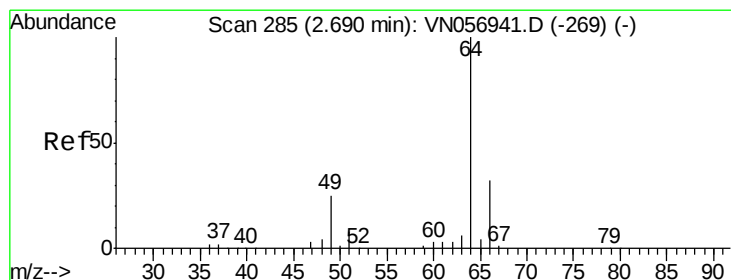
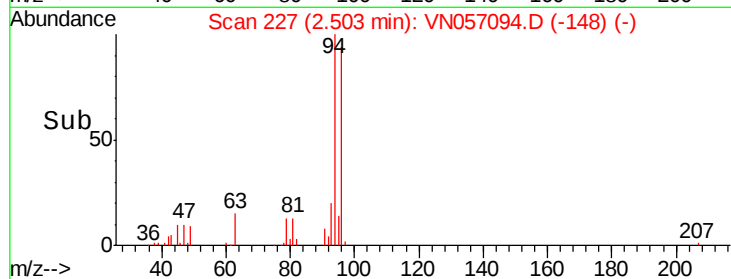
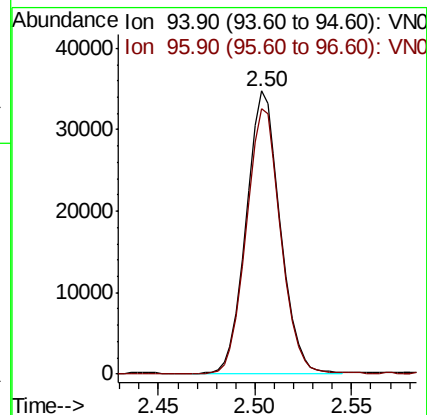
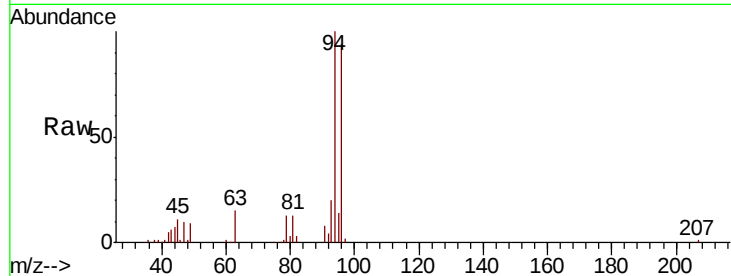
VN0806WBSD01

Tgt Ion: 94 Resp: 42775

Ion Ratio Lower Upper

94 100

96 93.8 76.2 114.2



#6

Chloroethane

Concen: 16.458 ug/l

RT: 2.62 min Scan# 262

Delta R.T. -0.07 min

Lab File: VN057094.D

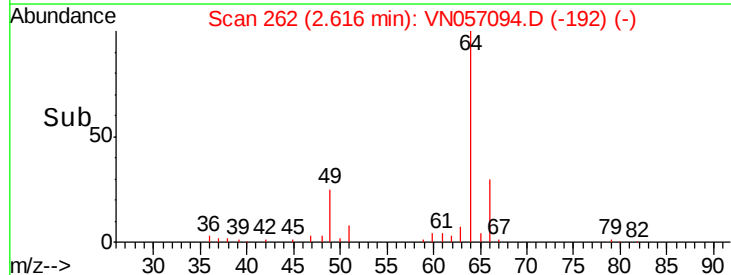
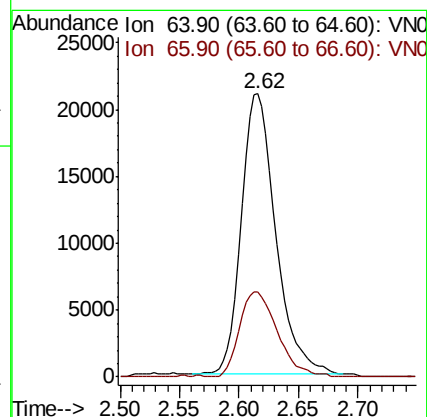
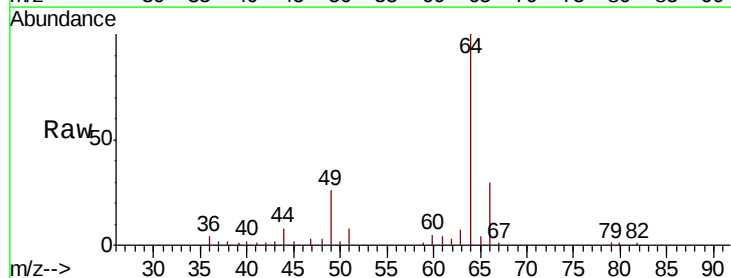
Acq: 6 Aug 2019 11:38

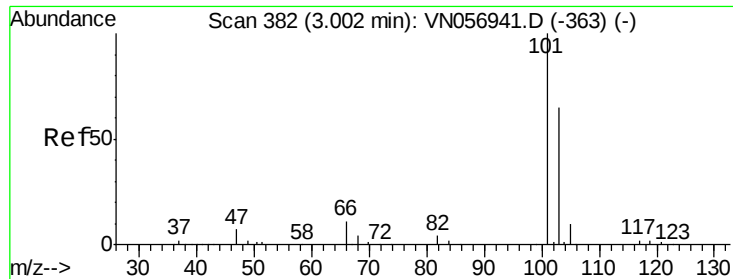
Tgt Ion: 64 Resp: 42056

Ion Ratio Lower Upper

64 100

66 30.2 25.8 38.8



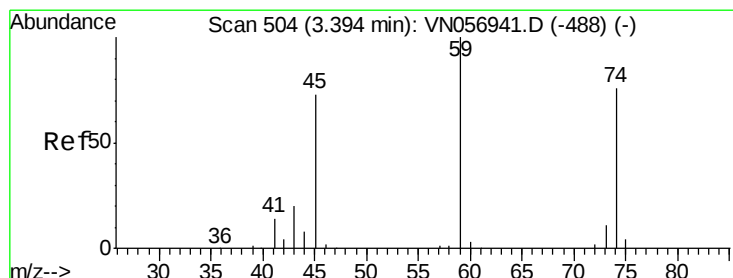
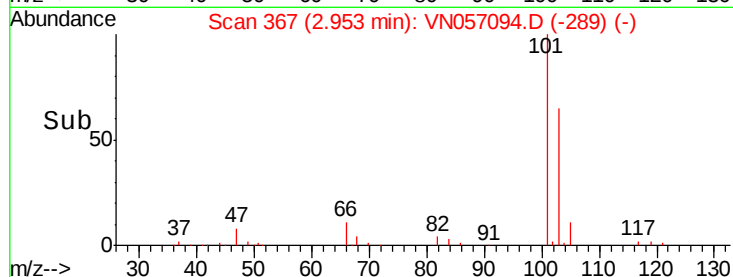
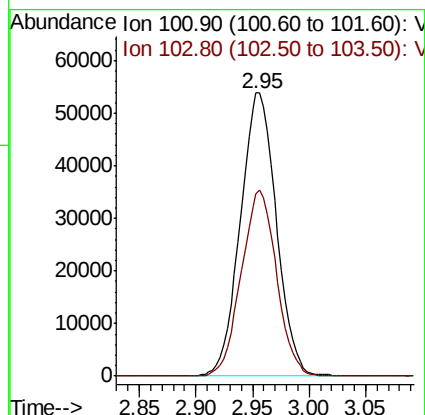
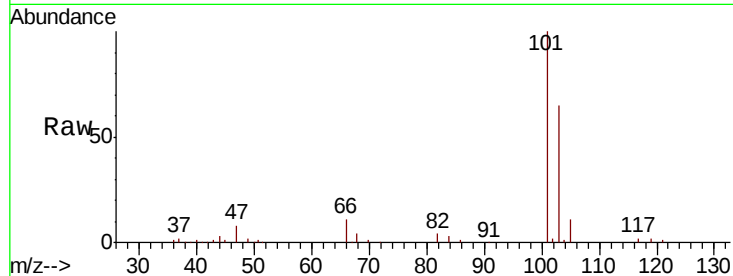


#7

Trichlorofluoromethane
 Concen: 19.690 ug/l
 RT: 2.95 min Scan# 367
 Delta R.T. -0.05 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

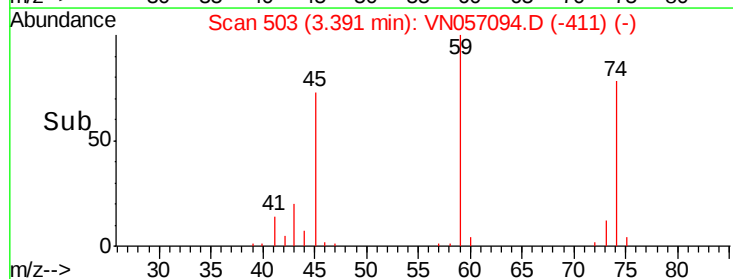
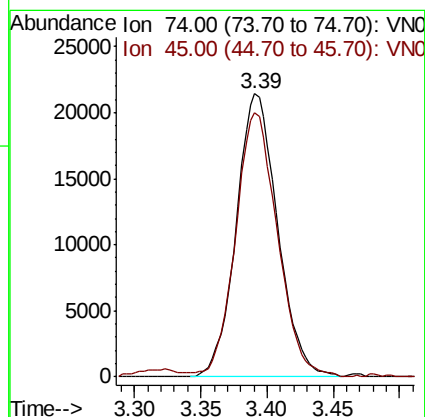
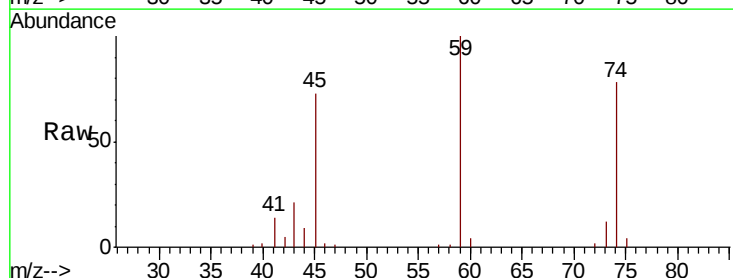
Tgt Ion:101 Resp: 119479
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.1 78.1

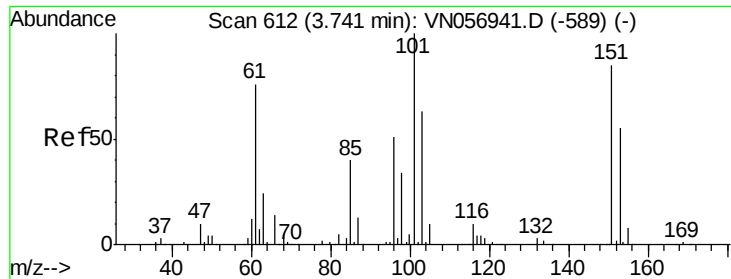


#8

Diethyl Ether
 Concen: 20.458 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 74 Resp: 46459
 Ion Ratio Lower Upper
 74 100
 45 94.7 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.642 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.02 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

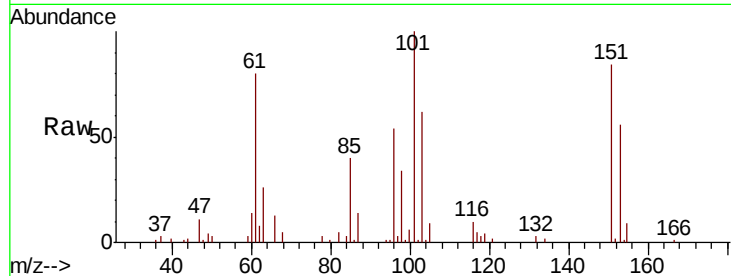
Tgt Ion:101 Resp: 73894

Ion Ratio Lower Upper

101 100

85 41.1 32.3 48.5

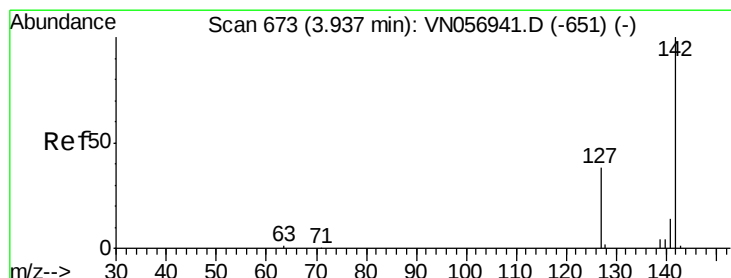
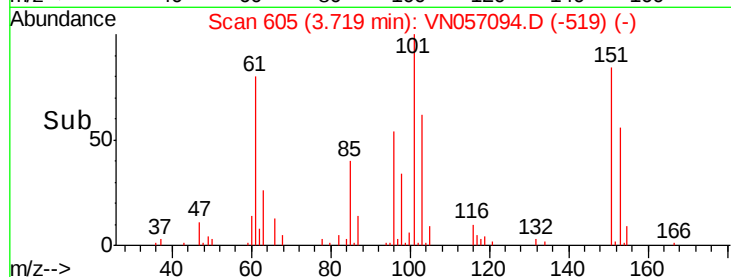
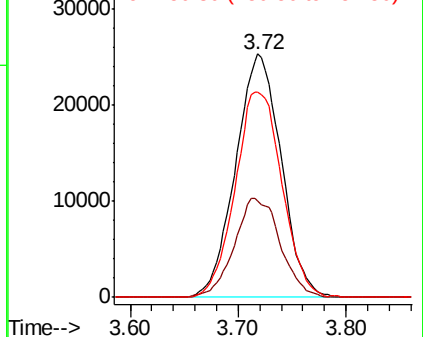
151 87.0 68.0 102.0



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: 15.139 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.02 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

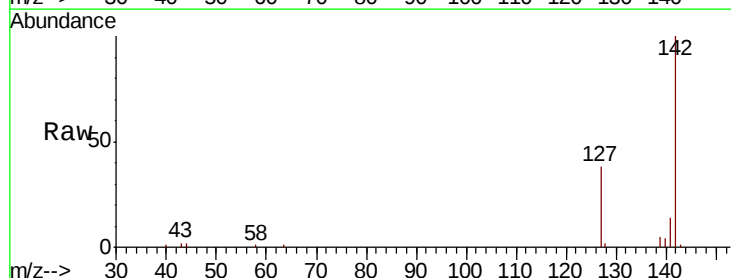
Tgt Ion:142 Resp: 76105

Ion Ratio Lower Upper

142 100

127 39.6 30.4 45.6

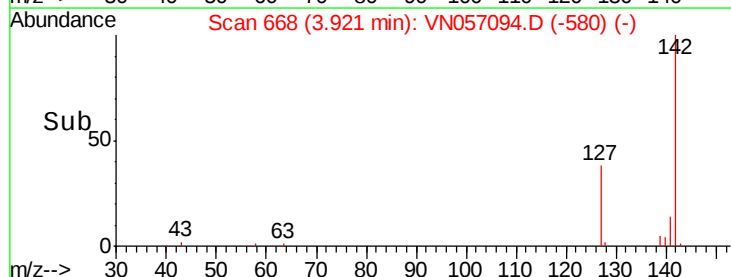
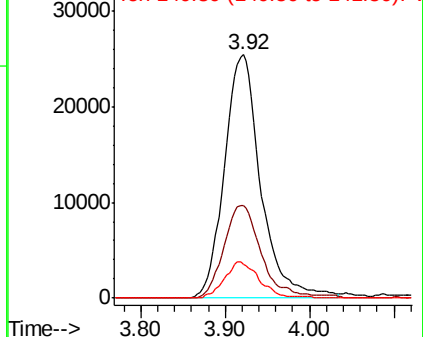
141 14.1 11.1 16.7

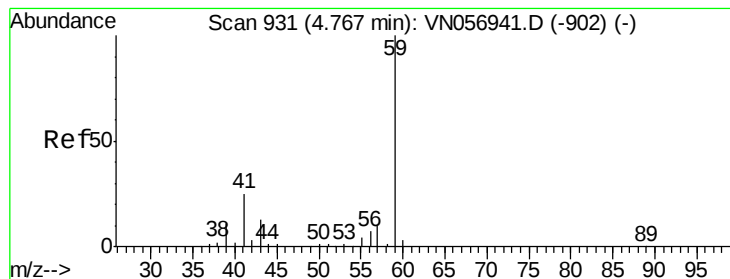


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



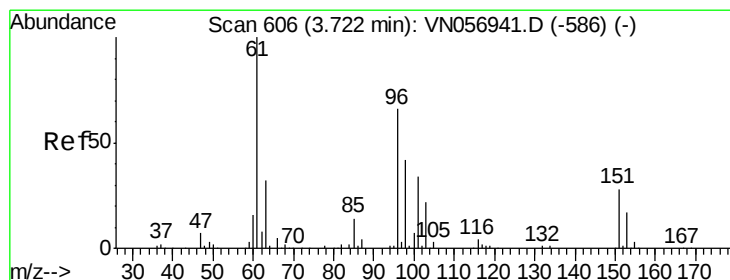
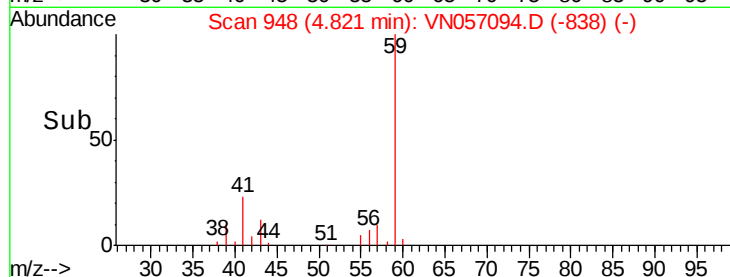
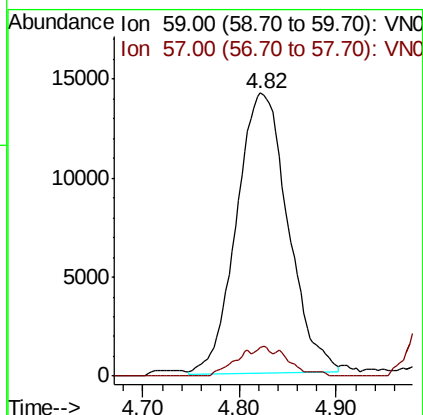
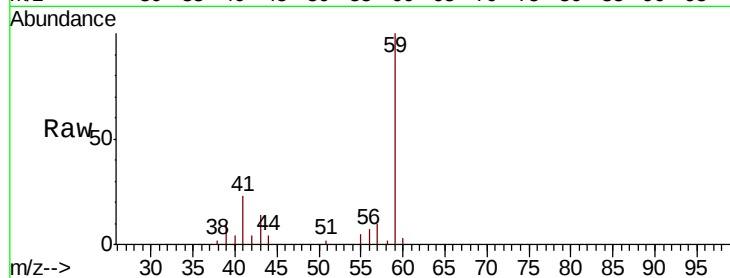


#11

Tert butyl alcohol
 Concen: 92.465 ug/l
 RT: 4.82 min Scan# 948
 Delta R.T. 0.05 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

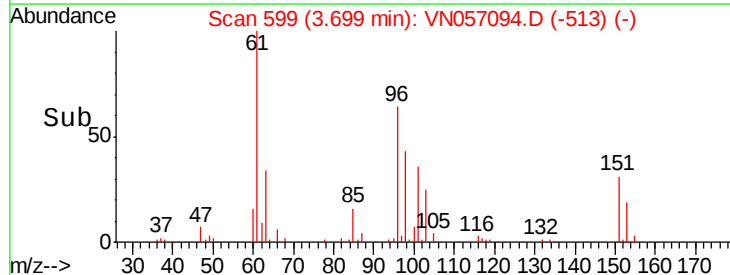
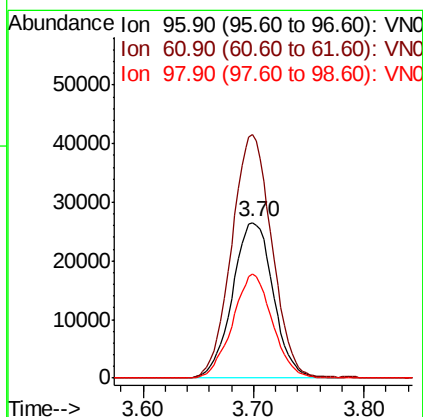
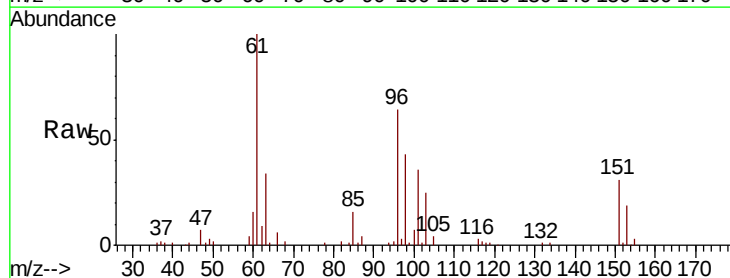
Tgt Ion: 59 Resp: 52248
 Ion Ratio Lower Upper
 59 100
 57 3.5 7.5 11.3#

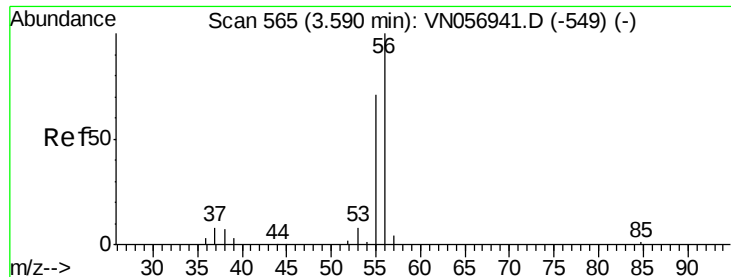


#12

1,1-Dichloroethene
 Concen: 18.935 ug/l
 RT: 3.70 min Scan# 599
 Delta R.T. -0.02 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 96 Resp: 67971
 Ion Ratio Lower Upper
 96 100
 61 156.6 121.8 182.8
 98 67.0 51.7 77.5





#13

Acrolein

Concen: 51.228 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

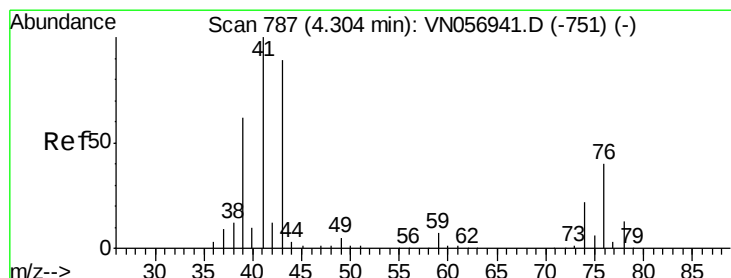
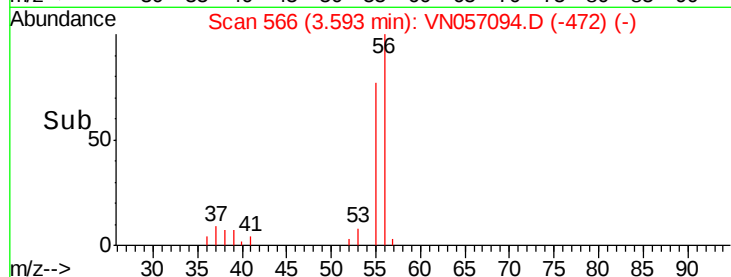
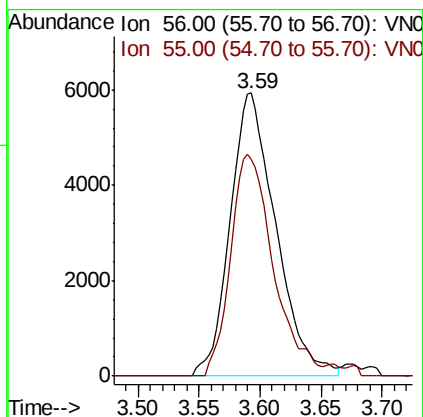
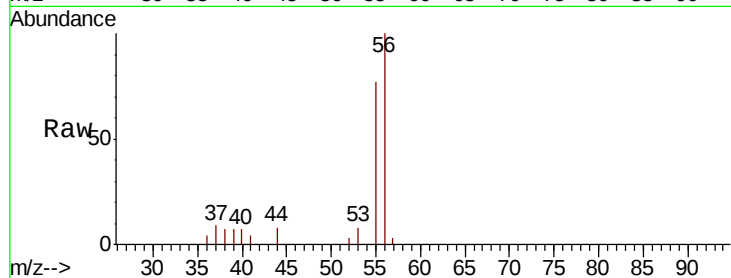
VN0806WBSD01

Tgt Ion: 56 Resp: 15427

Ion Ratio Lower Upper

56 100

55 73.2 55.8 83.6



#14

Allyl chloride

Concen: 18.359 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

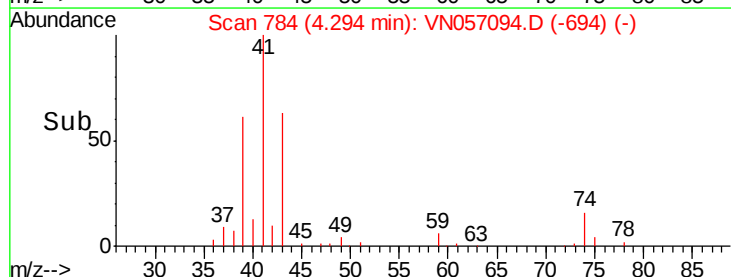
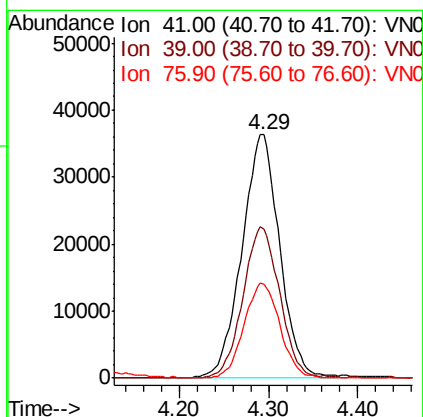
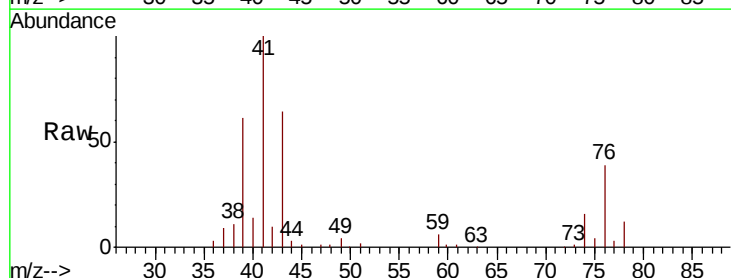
Tgt Ion: 41 Resp: 107202

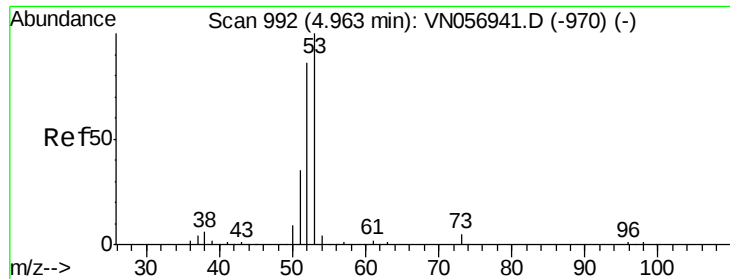
Ion Ratio Lower Upper

41 100

39 60.4 46.4 69.6

76 36.9 28.4 42.6





#15

Acrylonitrile

Concen: 95.967 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

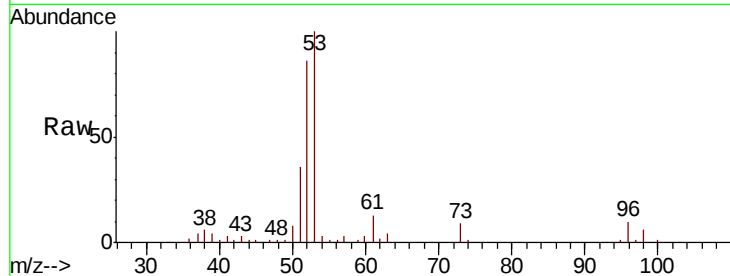
Tgt Ion: 53 Resp: 159022

Ion Ratio Lower Upper

53 100

52 83.1 66.5 99.7

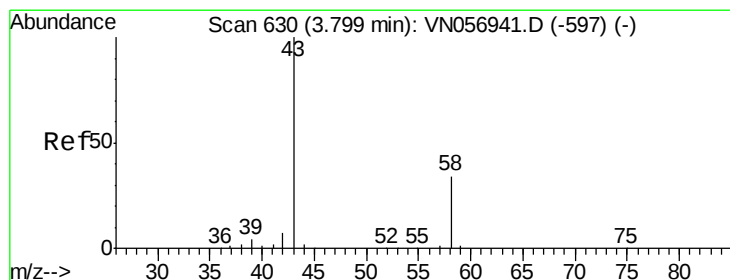
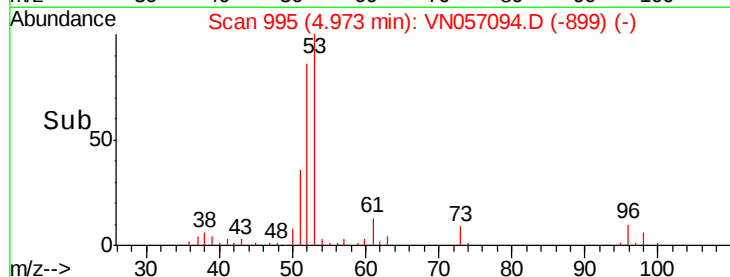
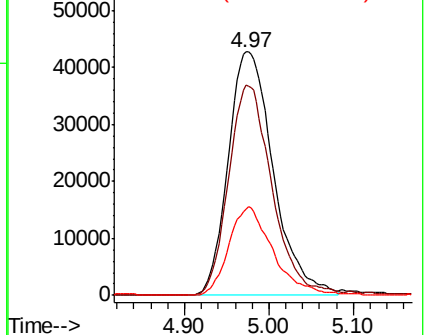
51 35.5 28.4 42.6



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: 86.736 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN057094.D

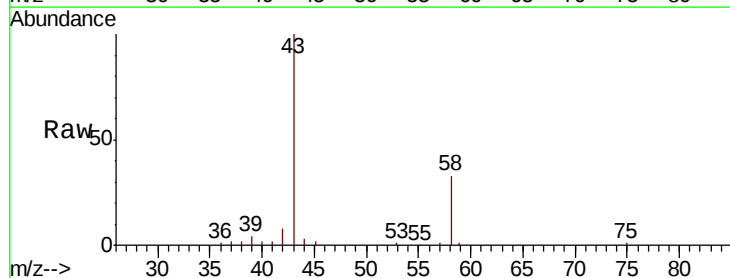
Acq: 6 Aug 2019 11:38

Tgt Ion: 43 Resp: 131358

Ion Ratio Lower Upper

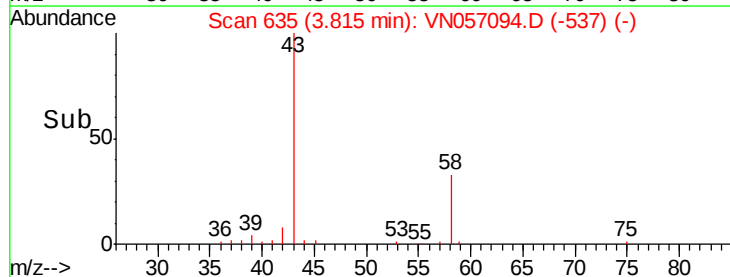
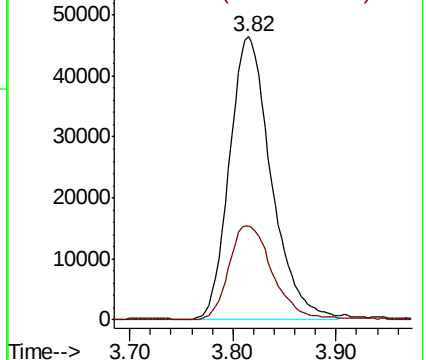
43 100

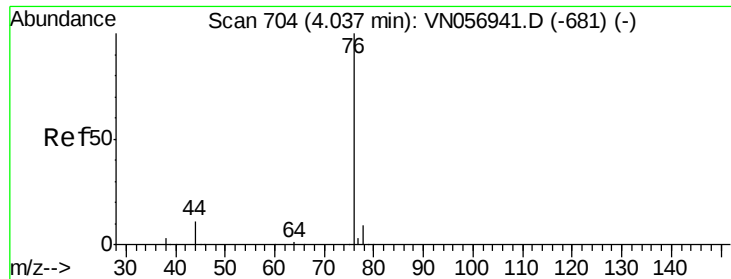
58 33.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

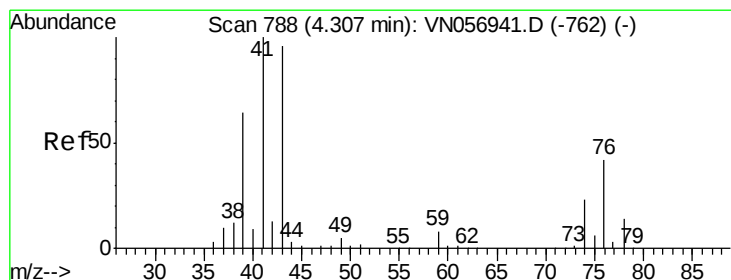
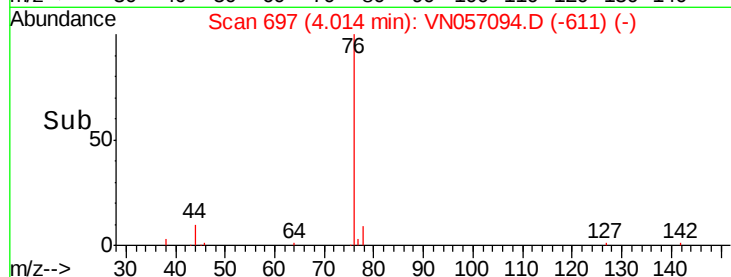
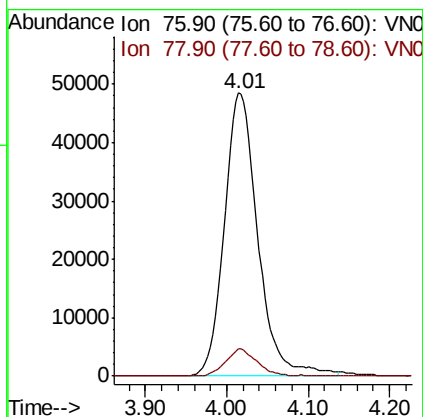
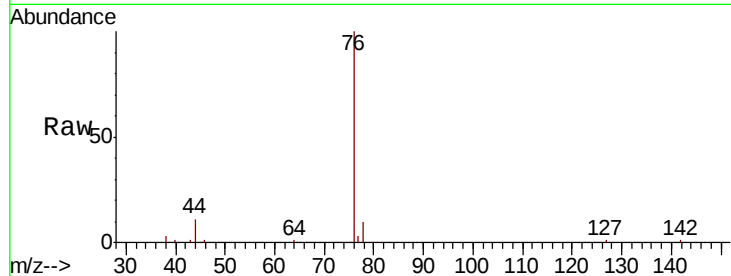




#17
Carbon Disulfide
Concen: 14.643 ug/l
RT: 4.01 min Scan# 697
Delta R.T. -0.02 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

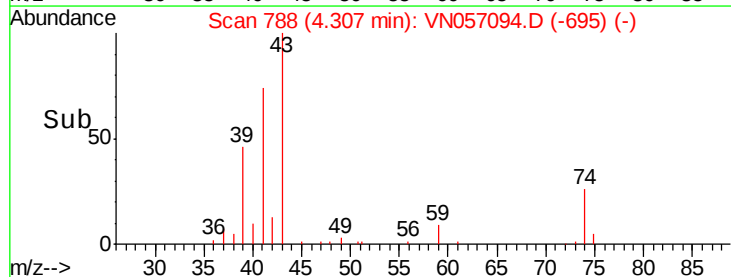
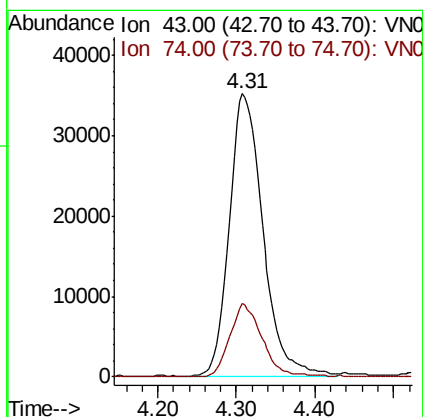
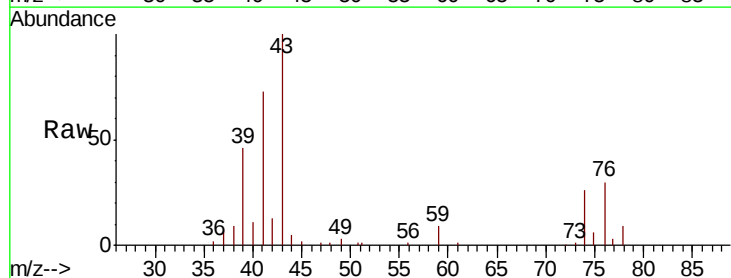
Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

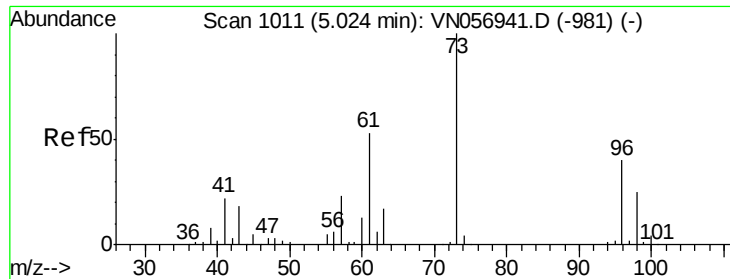
Tgt Ion: 76 Resp: 139674
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 21.884 ug/l
RT: 4.31 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 43 Resp: 105728
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5

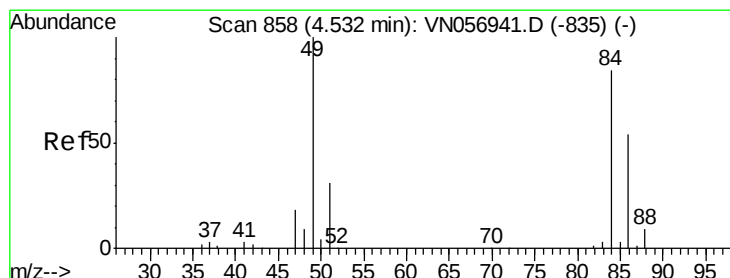
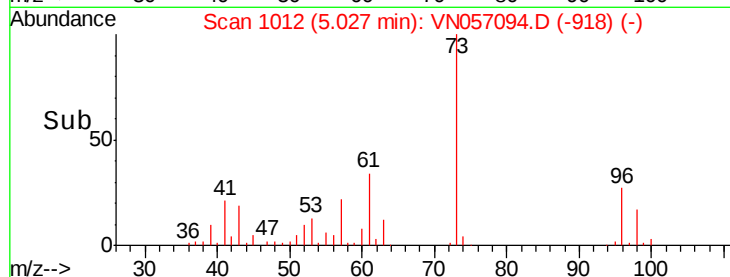
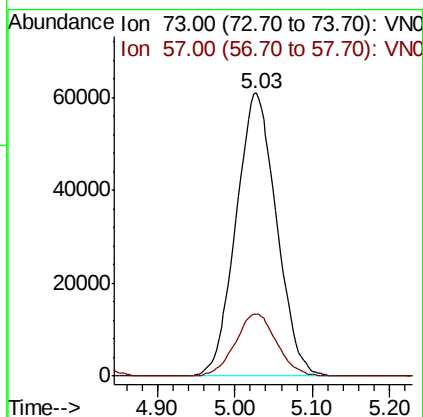
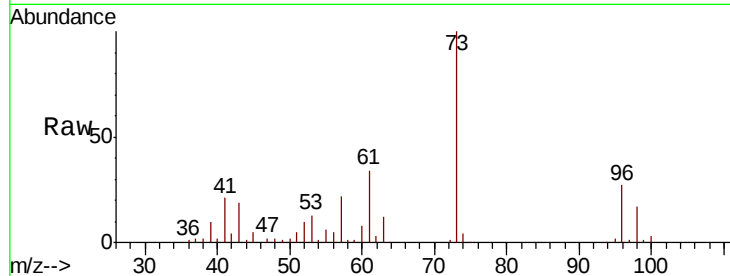




#19
Methyl tert-butyl Ether
Concen: 20.748 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

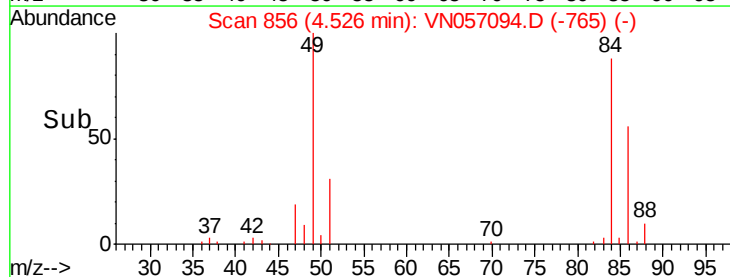
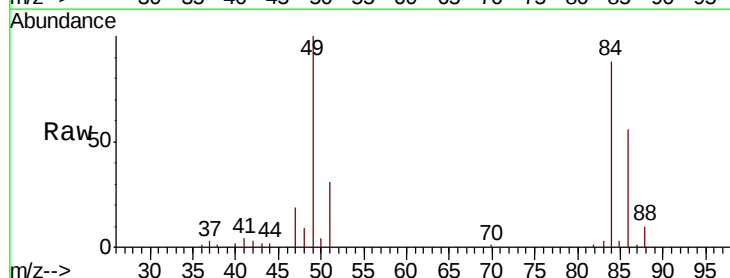
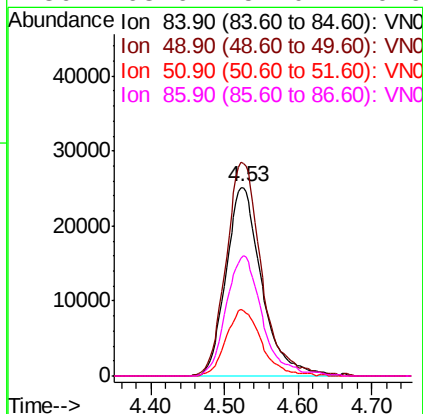
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

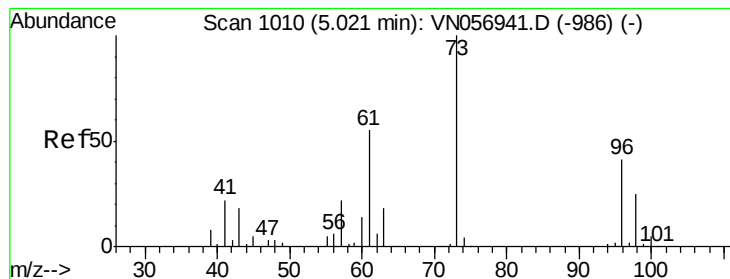
Tgt Ion: 73 Resp: 222073
Ion Ratio Lower Upper
73 100
57 21.9 18.3 27.5



#20
Methylene Chloride
Concen: 19.381 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.01 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 84 Resp: 84550
Ion Ratio Lower Upper
84 100
49 113.0 95.2 142.8
51 34.7 29.7 44.5
86 63.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.756 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

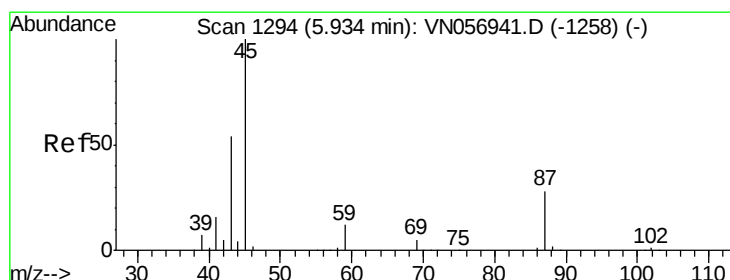
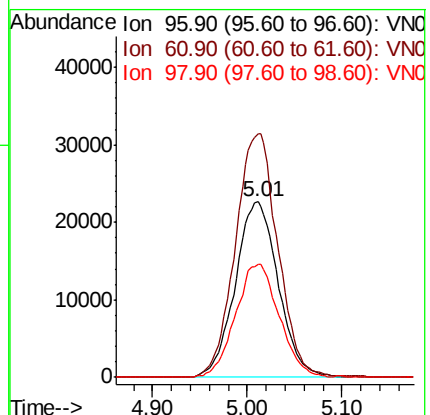
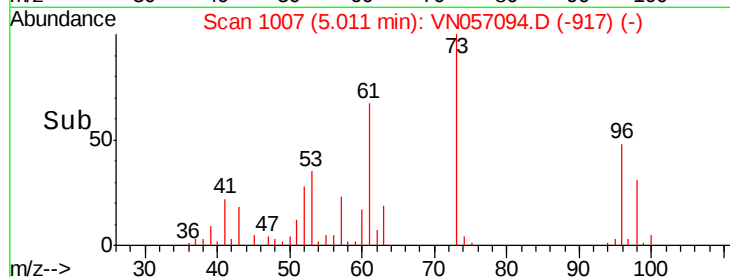
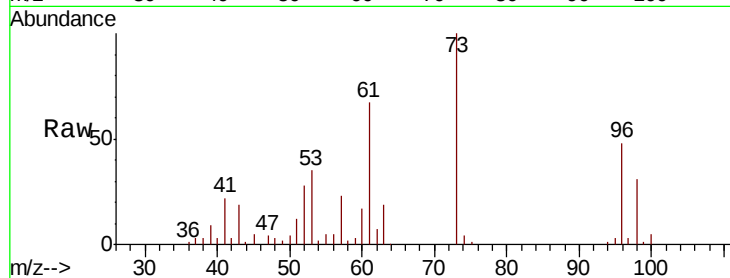
Tgt Ion: 96 Resp: 71503

Ion Ratio Lower Upper

96 100

61 138.4 107.5 161.3

98 64.4 49.9 74.9



#22

Diisopropyl ether

Concen: 19.918 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Tgt Ion: 45 Resp: 239636

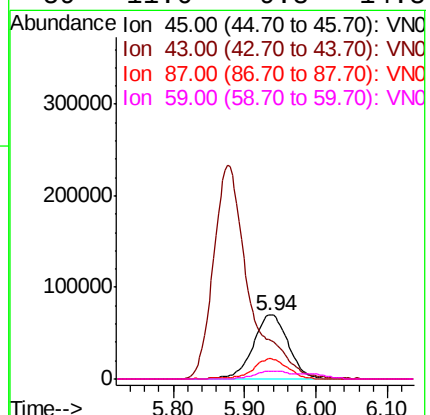
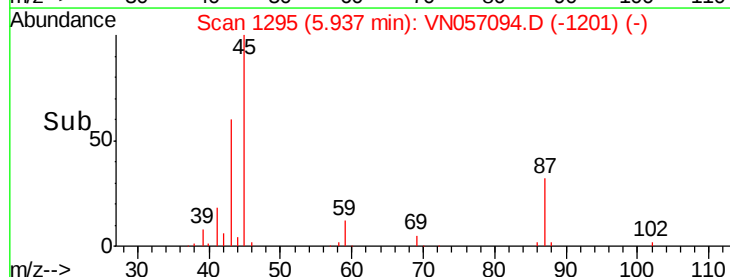
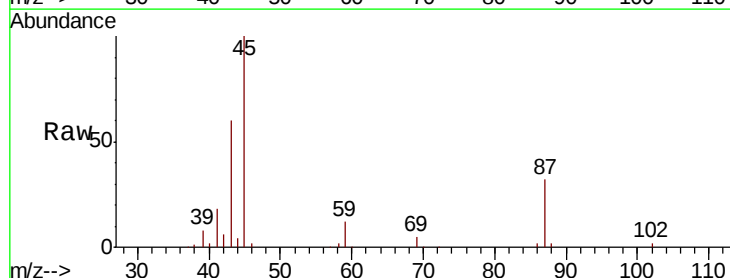
Ion Ratio Lower Upper

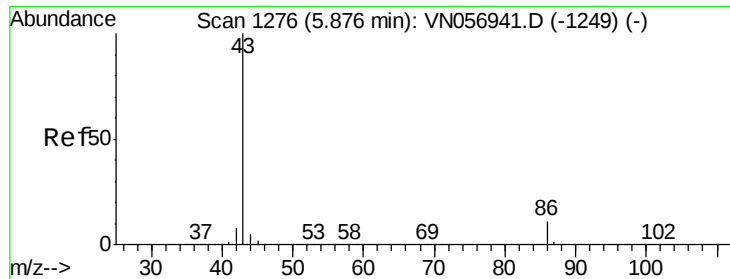
45 100

43 58.6 44.7 67.1

87 32.0 23.0 34.6

59 11.6 9.8 14.8





#23

Vinyl Acetate

Concen: 96.961 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

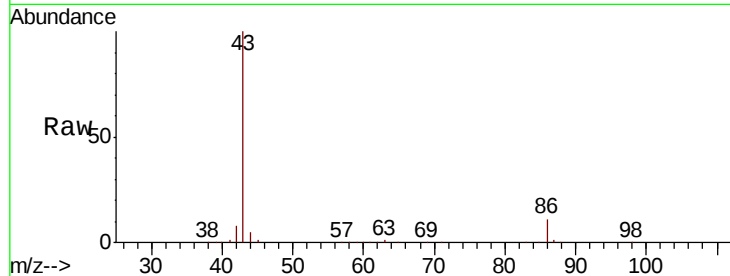
VN0806WBSD01

Tgt Ion: 43 Resp: 808246

Ion Ratio Lower Upper

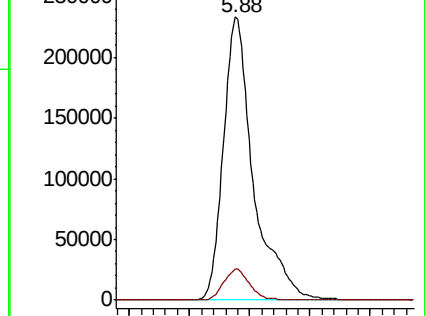
43 100

86 10.9 8.5 12.7

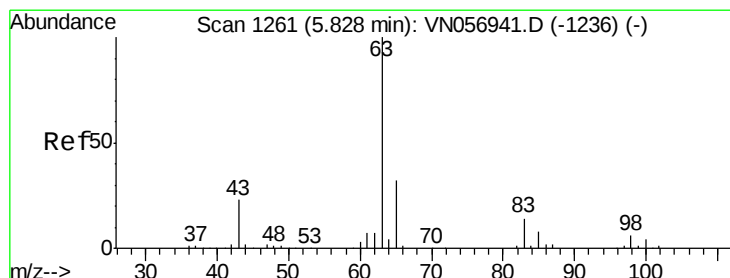
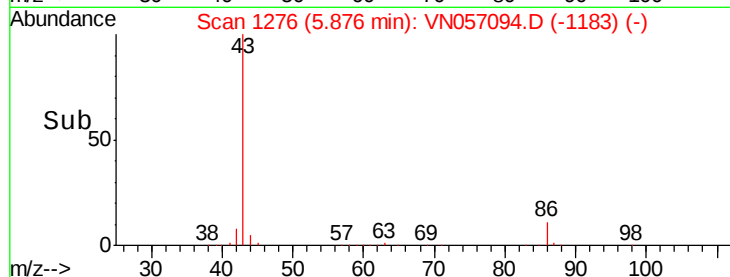


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.813 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

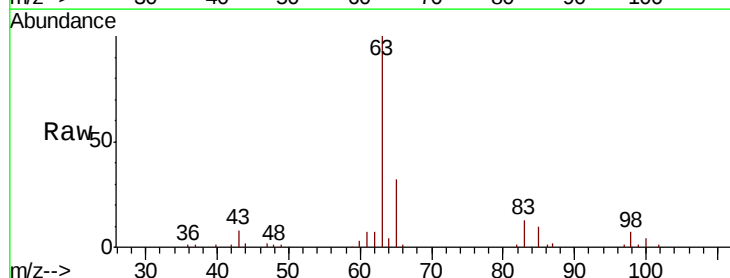
Tgt Ion: 63 Resp: 140642

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

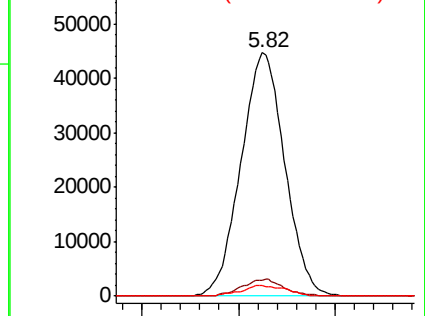
100 4.3 2.1 6.3



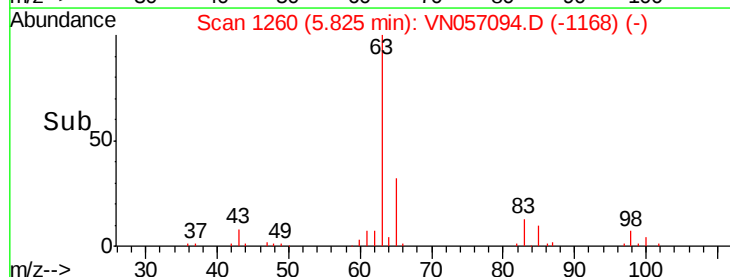
Abundance Ion 62.90 (62.60 to 63.60): VN0

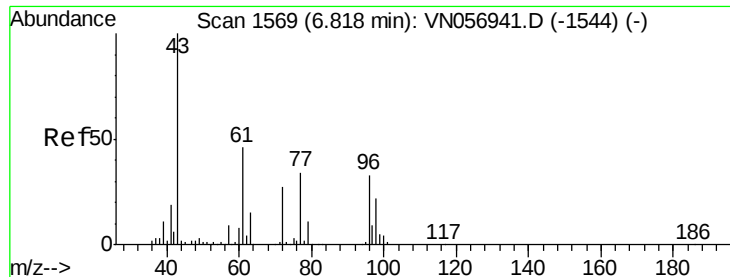
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time--> 5.70 5.80 5.90

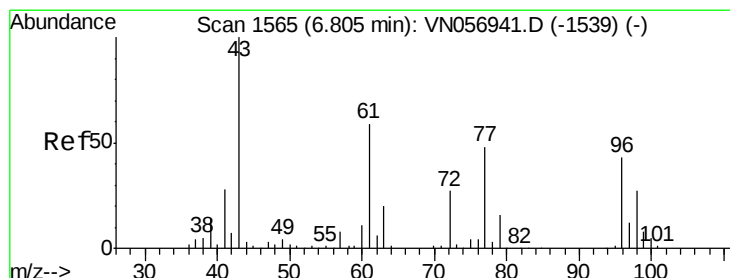
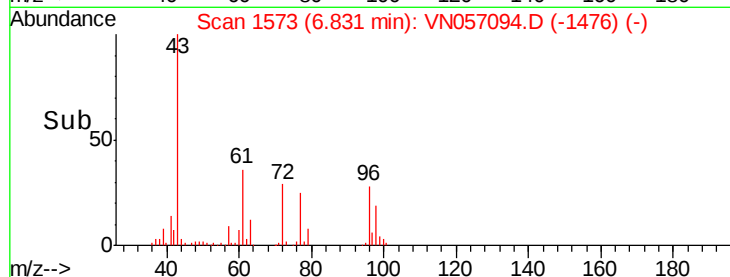
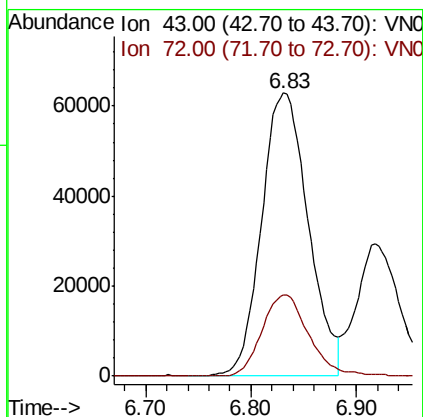
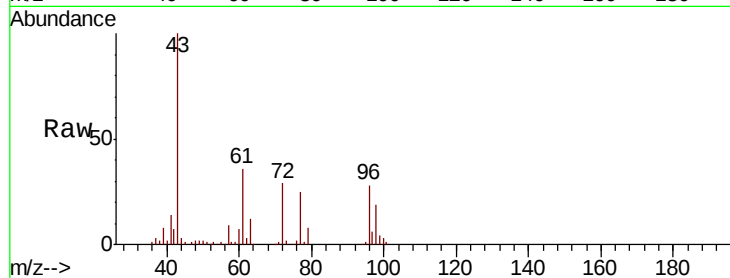




#25
2-Butanone
Concen: 90.294 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

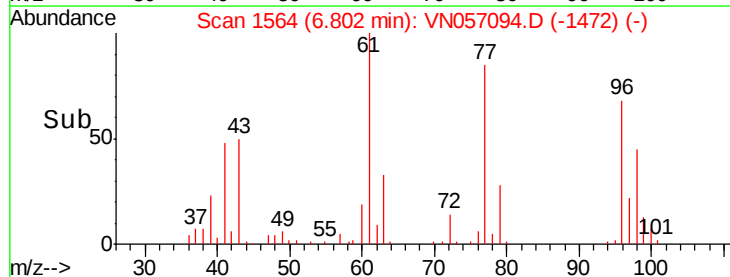
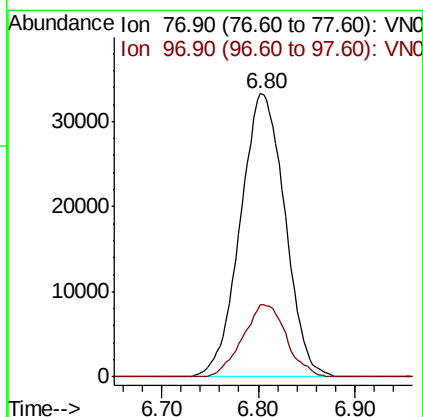
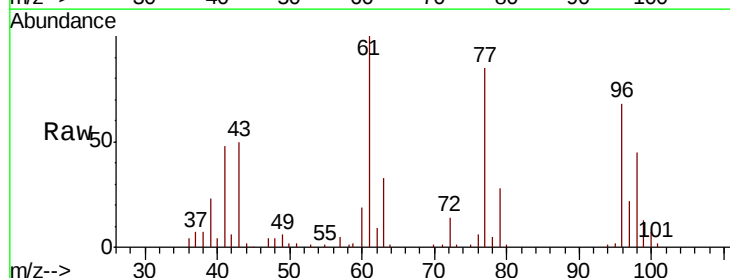
Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

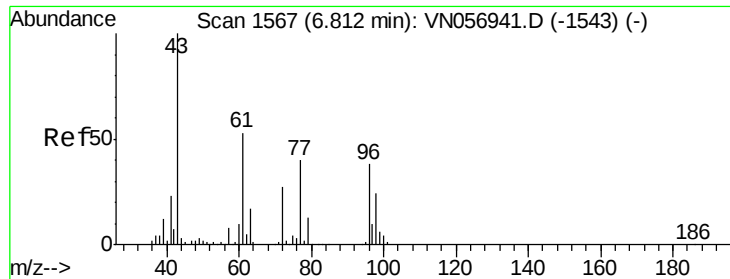
Tgt Ion: 43 Resp: 193908
Ion Ratio Lower Upper
43 100
72 28.7 21.5 32.3



#26
2,2-Dichloropropane
Concen: 19.762 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 77 Resp: 106661
Ion Ratio Lower Upper
77 100
97 24.9 12.2 36.6

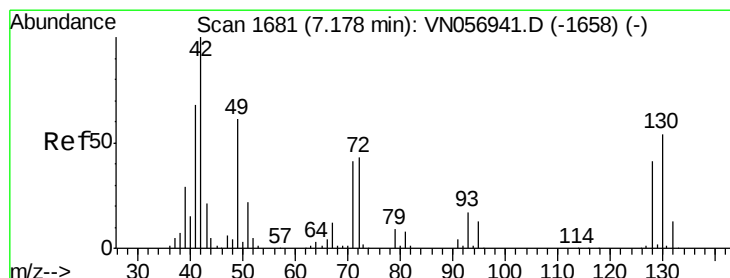
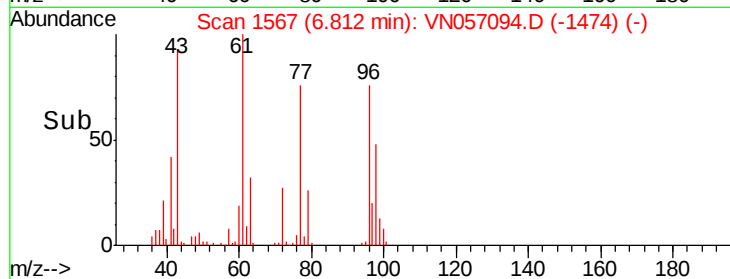
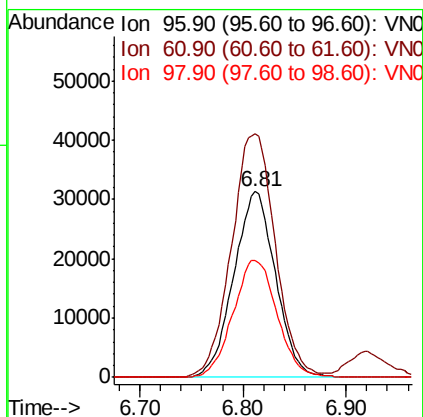
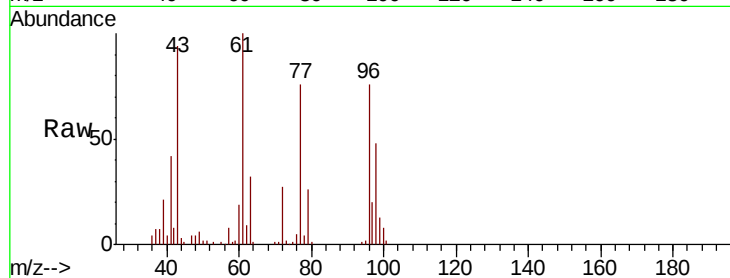




#27
 cis-1,2-Dichloroethene
 Concen: 19.555 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

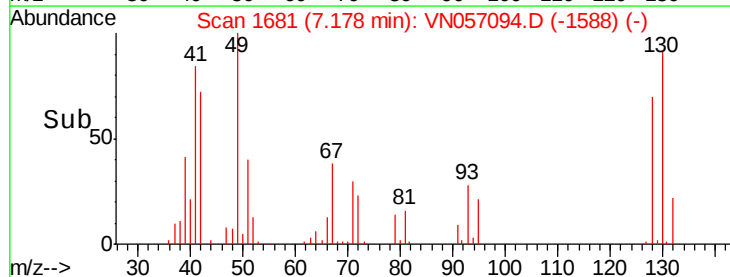
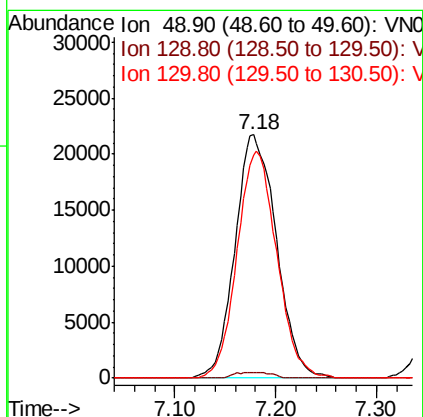
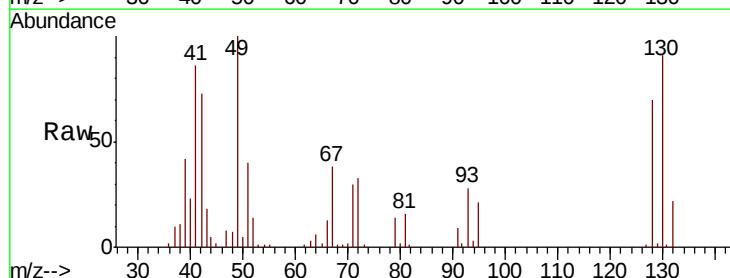
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

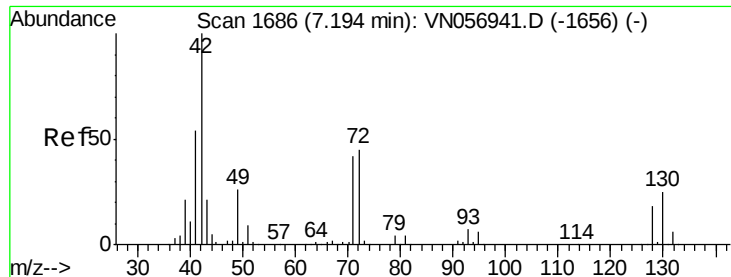
Tgt Ion: 96 Resp: 88174
 Ion Ratio Lower Upper
 96 100
 61 137.7 0.0 277.2
 98 66.5 0.0 128.4



#28
 Bromochloromethane
 Concen: 18.576 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 49 Resp: 61978
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.6
 130 88.9 69.0 103.4

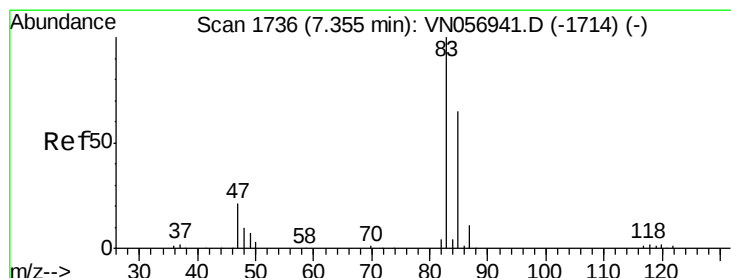
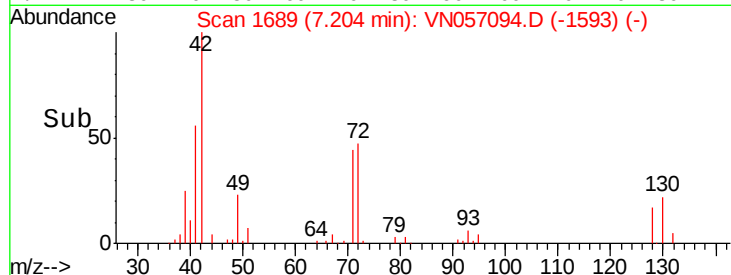
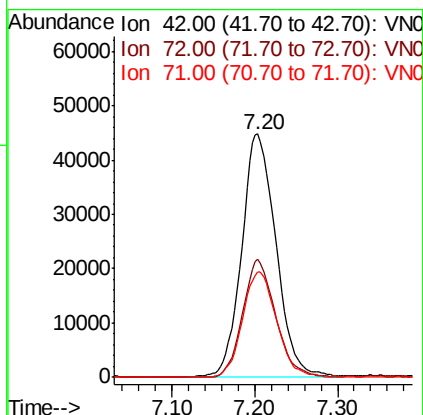
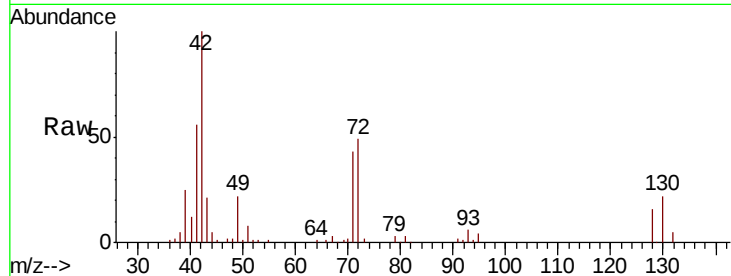




#29
Tetrahydrofuran
Concen: 92.216 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

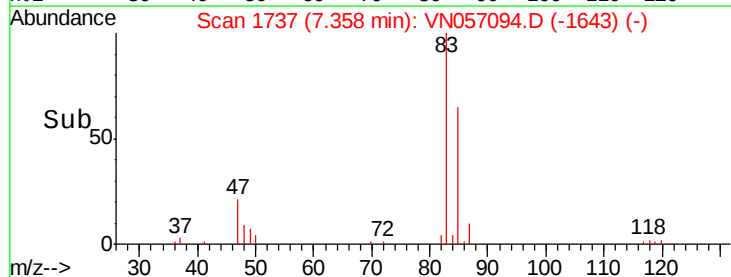
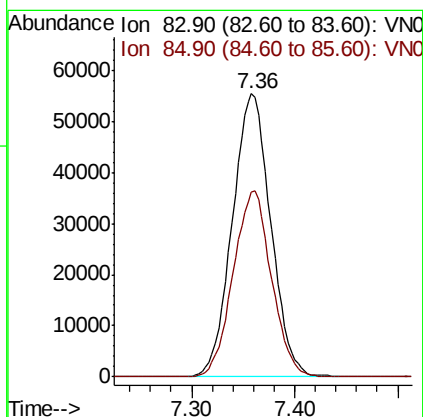
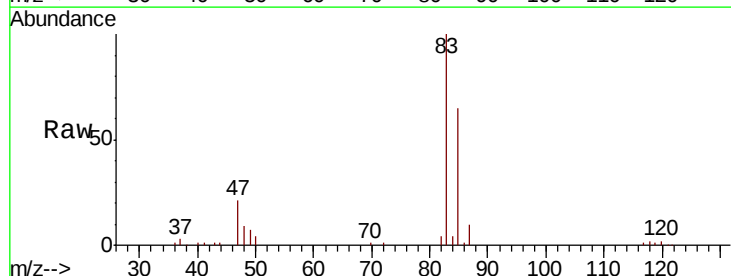
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

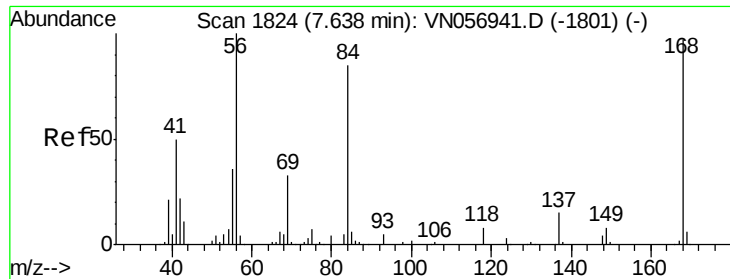
Tgt Ion: 42 Resp: 129207
Ion Ratio Lower Upper
42 100
72 46.2 35.6 53.4
71 42.9 33.5 50.3



#30
Chloroform
Concen: 19.751 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 83 Resp: 143349
Ion Ratio Lower Upper
83 100
85 65.4 52.2 78.2

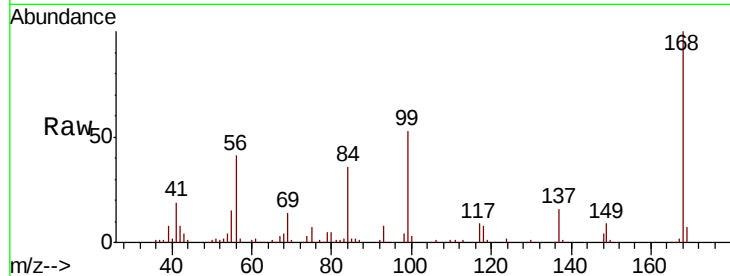




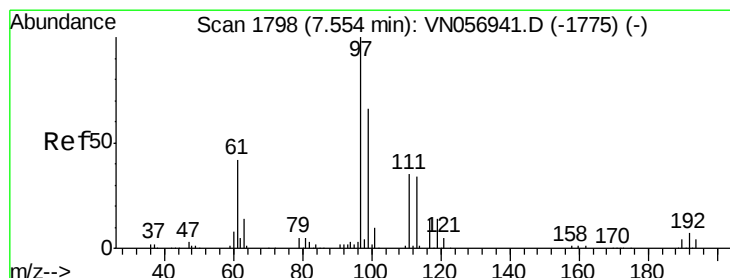
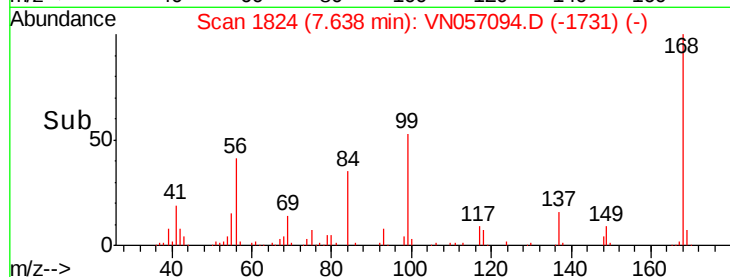
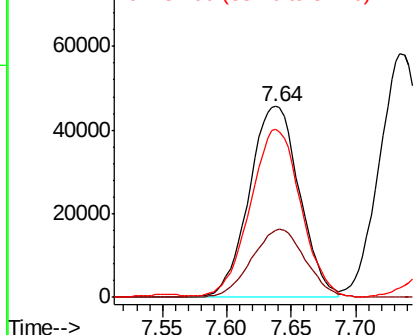
#31
Cyclohexane
Concen: 18.049 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tgt Ion: 56 Resp: 123980
Ion Ratio Lower Upper
56 100
69 35.2 26.2 39.2
84 87.1 68.2 102.2

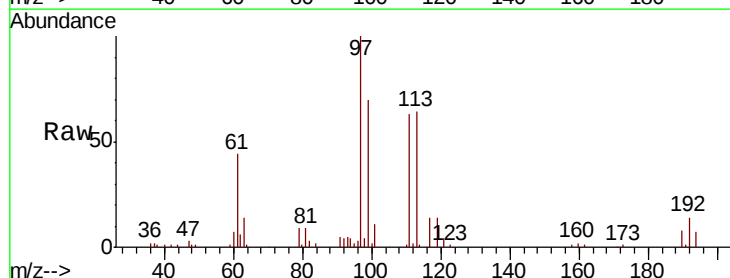


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

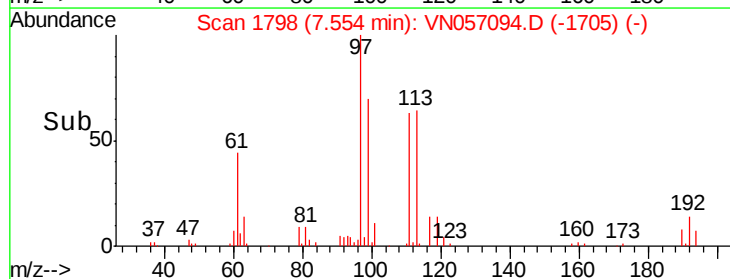
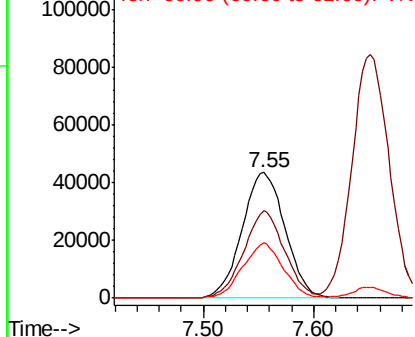


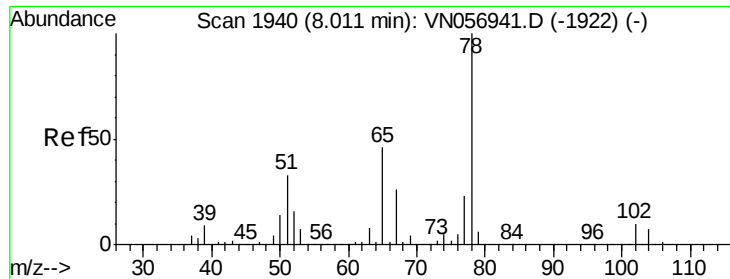
#32
1,1,1-Trichloroethane
Concen: 20.257 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 97 Resp: 117304
Ion Ratio Lower Upper
97 100
99 65.8 52.3 78.5
61 41.6 33.9 50.9



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





#33

1,2-Dichloroethane-d4

Concen: 50.333 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

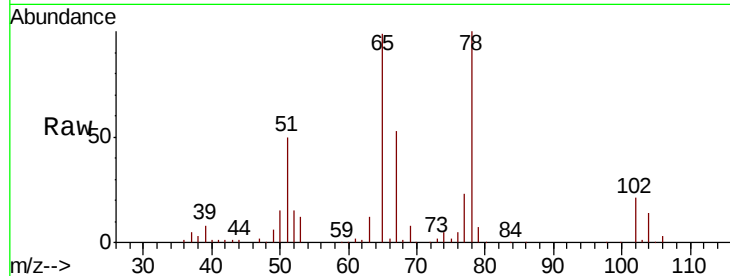
VN0806WBSD01

Tgt Ion: 65 Resp: 210411

Ion Ratio Lower Upper

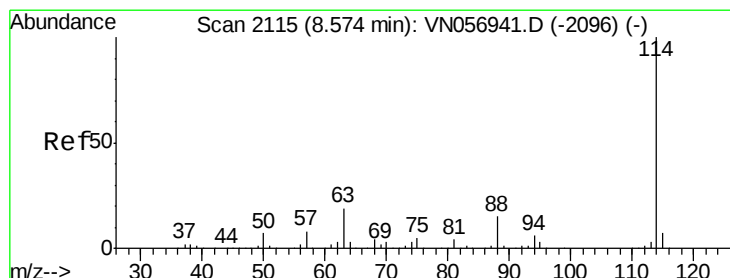
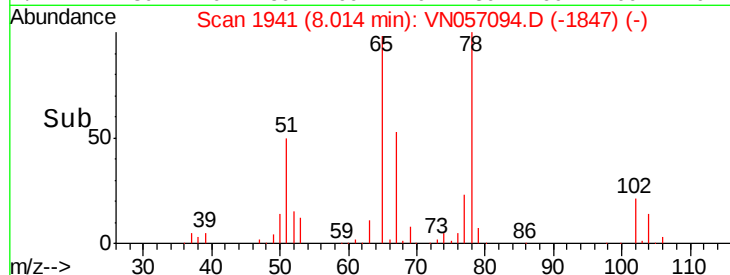
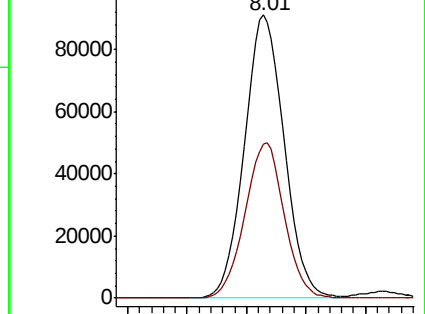
65 100

67 54.0 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN056941.D (-1922) (-)

Ion 66.90 (66.60 to 67.60): VN056941.D (-1922) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

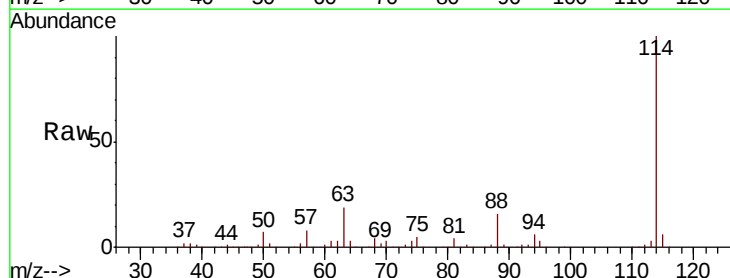
Tgt Ion: 114 Resp: 604740

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.0

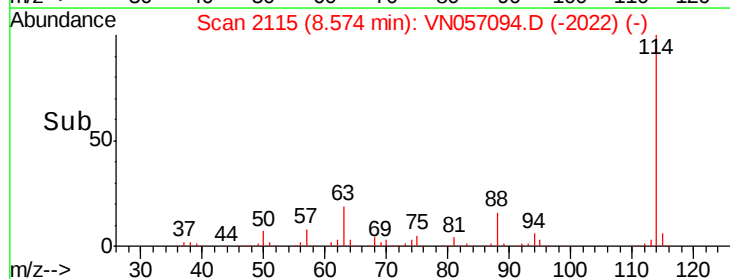
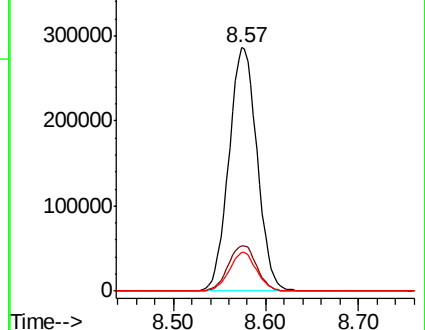
88 15.7 0.0 30.0

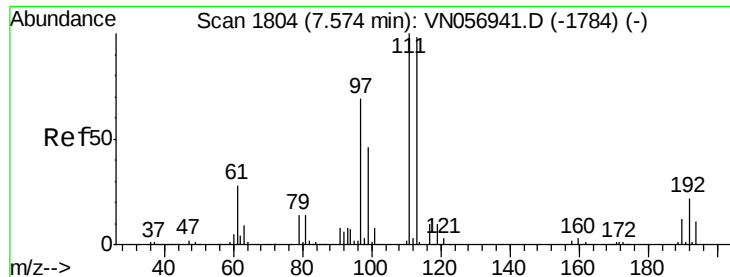


Abundance Ion 113.90 (113.60 to 114.60): VN056941.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN056941.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN056941.D (-2096) (-)

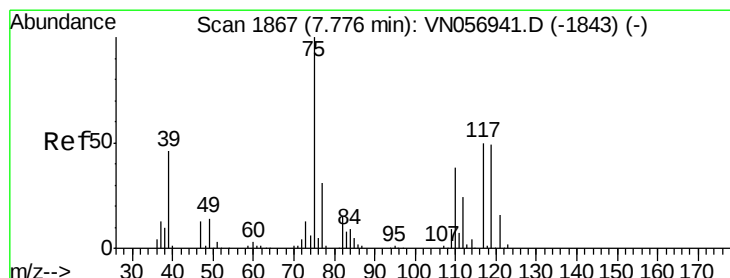
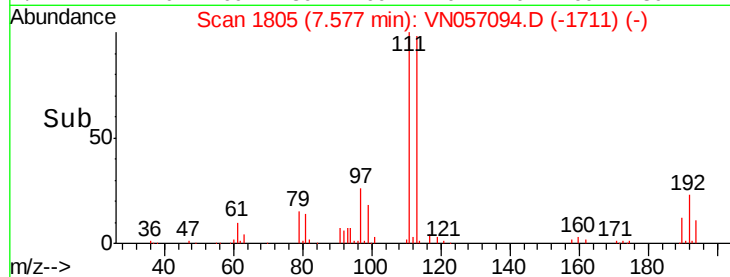
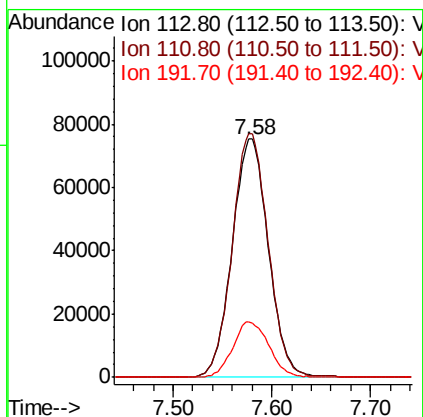
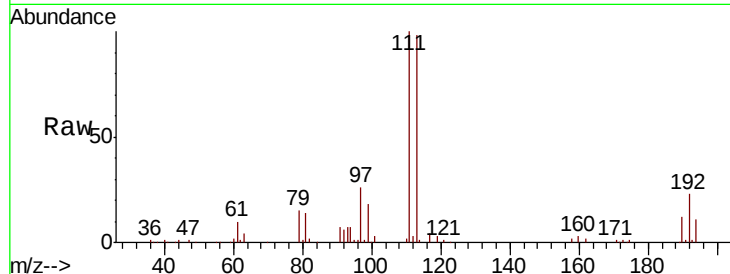




#35
 Dibromofluoromethane
 Concen: 49.574 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

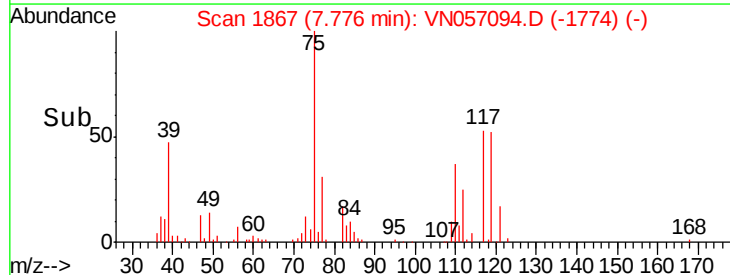
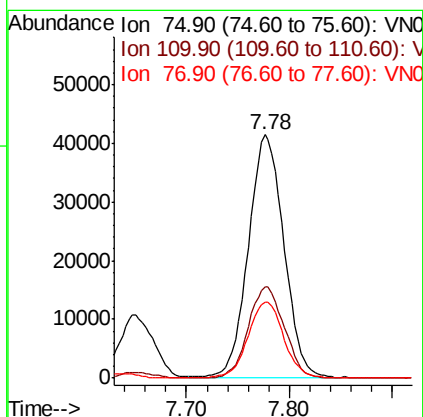
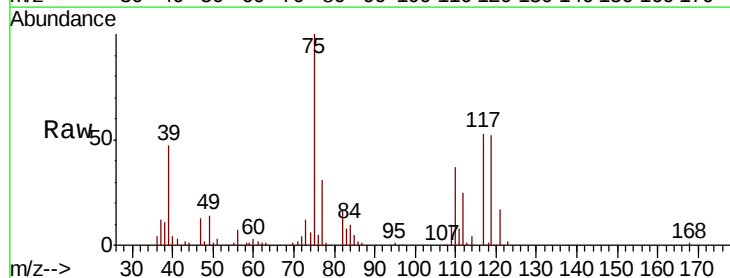
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

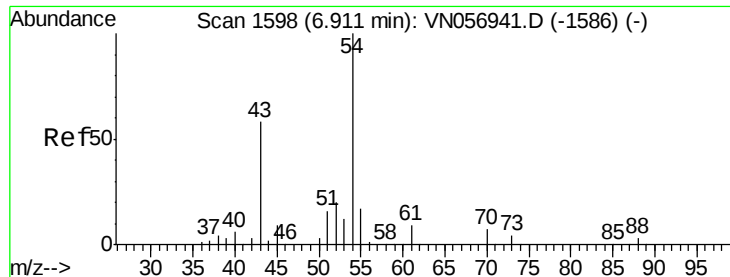
Tgt Ion:113 Resp: 191917
 Ion Ratio Lower Upper
 113 100
 111 101.2 82.0 123.0
 192 23.2 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 18.704 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 75 Resp: 99531
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.6 55.8
 77 31.4 25.2 37.8

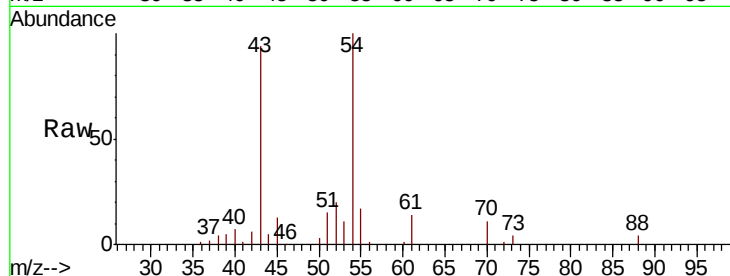




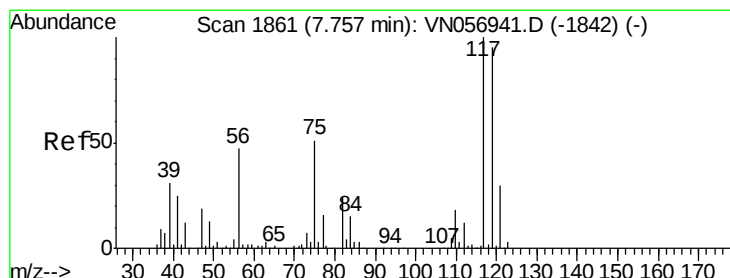
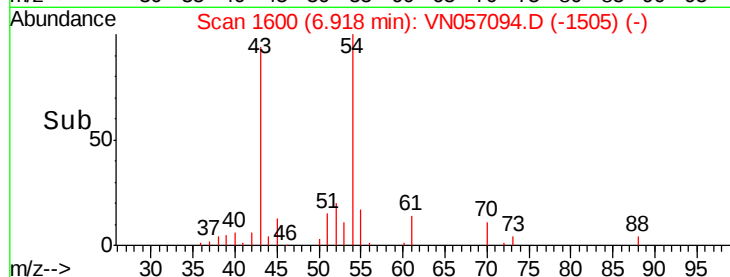
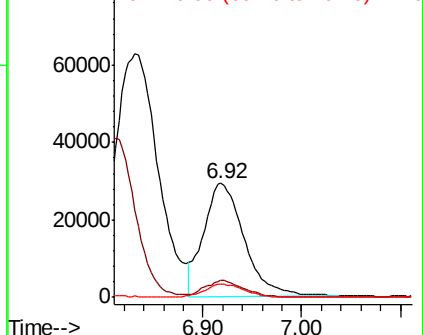
#37
Ethyl Acetate
Concen: 19.694 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tgt Ion: 43 Resp: 83933
Ion Ratio Lower Upper
43 100
61 13.0 11.8 17.6
70 11.3 8.5 12.7

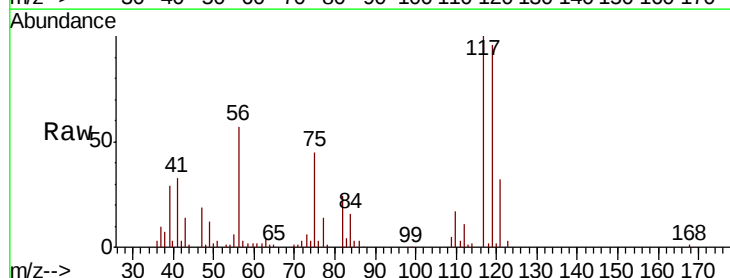


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

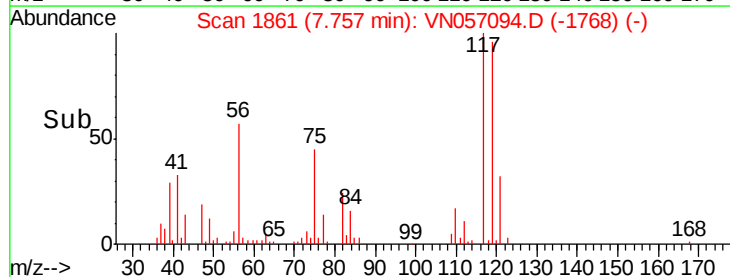
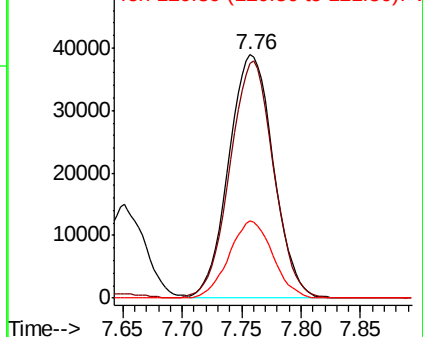


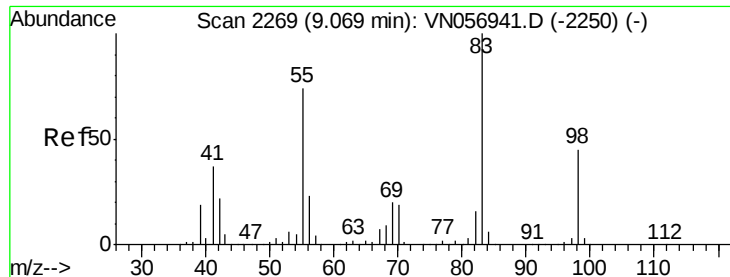
#38
Carbon Tetrachloride
Concen: 20.118 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 117 Resp: 101264
Ion Ratio Lower Upper
117 100
119 96.2 75.3 112.9
121 31.8 24.2 36.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

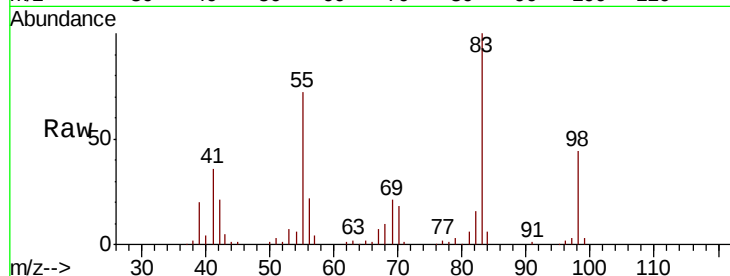




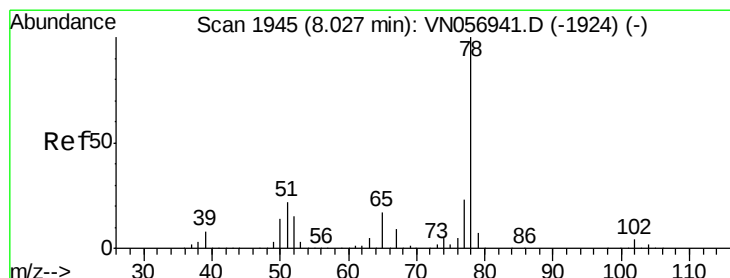
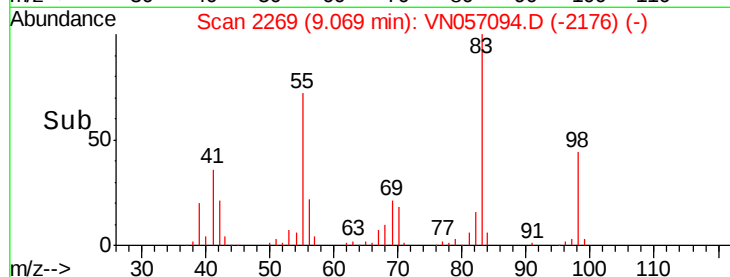
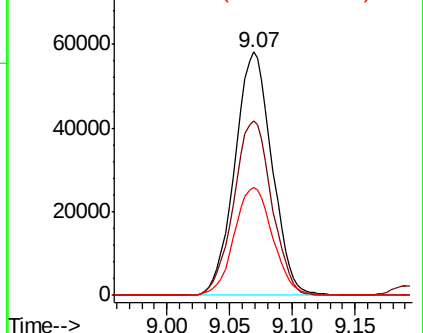
#39
Methylcyclohexane
Concen: 17.650 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

Tgt Ion: 83 Resp: 120039
Ion Ratio Lower Upper
83 100
55 71.7 59.0 88.6
98 44.4 36.2 54.4

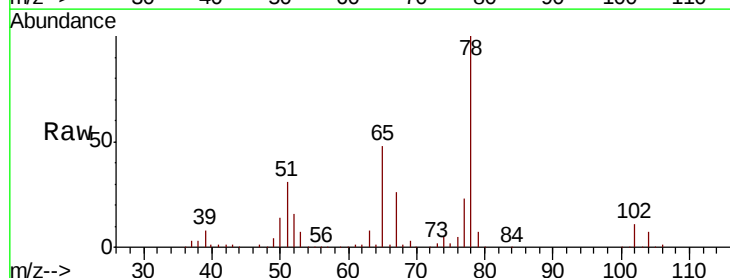


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

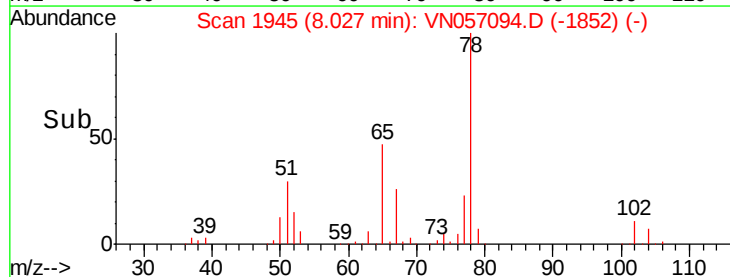
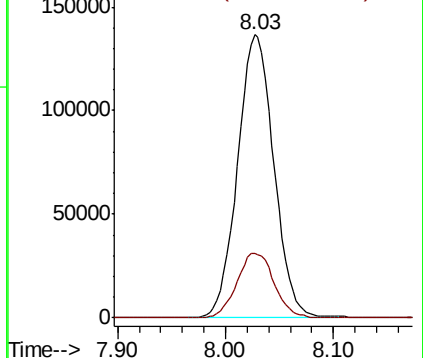


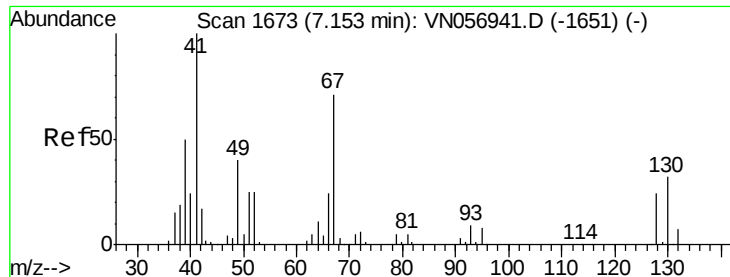
#40
Benzene
Concen: 19.502 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 78 Resp: 319625
Ion Ratio Lower Upper
78 100
77 22.8 18.3 27.5



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

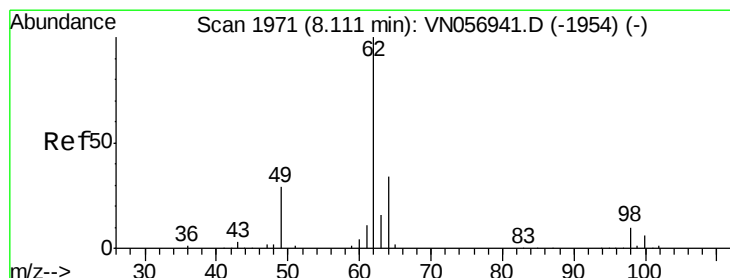
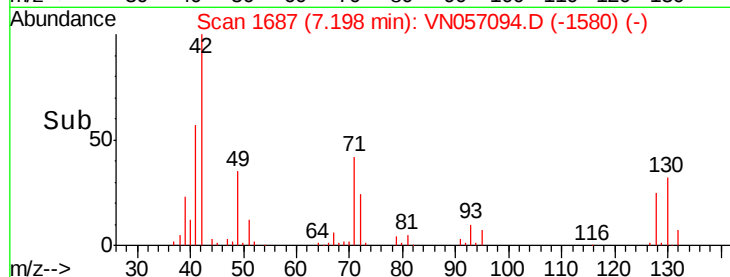
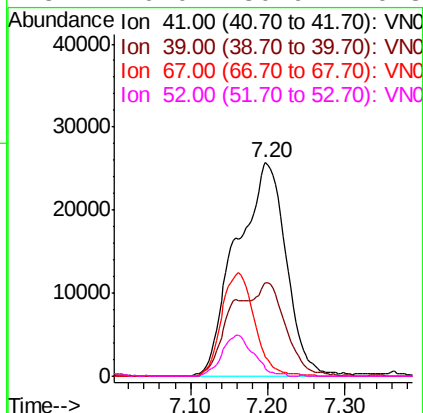
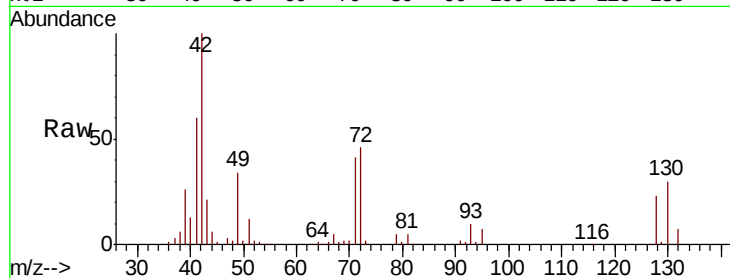




#41
Methacrylonitrile
Concen: 58.522 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.04 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

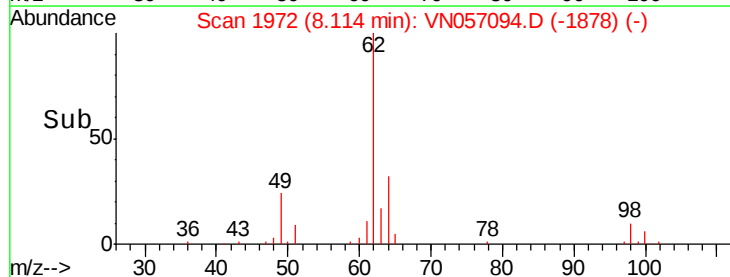
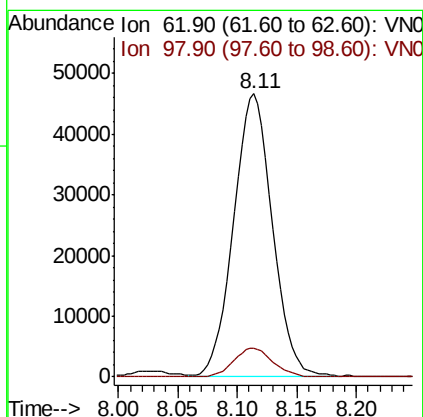
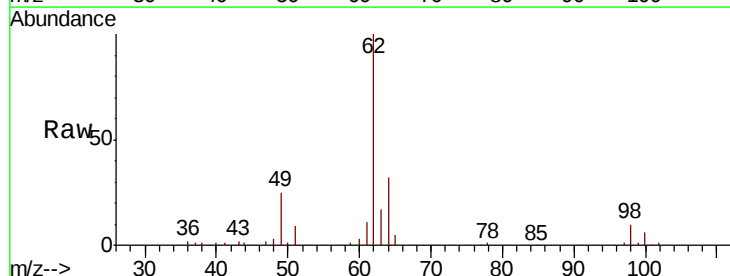
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

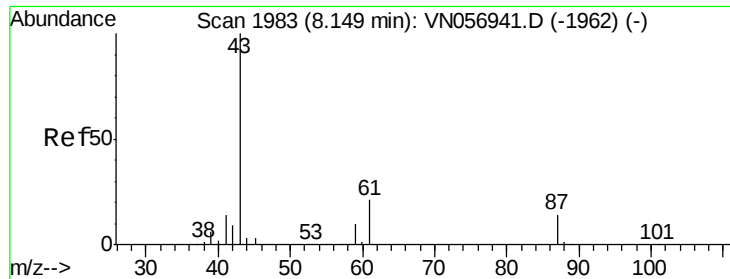
Tgt Ion: 41 Resp: 115302
Ion Ratio Lower Upper
41 100
39 0.0 48.9 73.3#
67 0.0 83.4 125.0#
52 0.0 30.9 46.3#



#42
1,2-Dichloroethane
Concen: 20.459 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 62 Resp: 105094
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.6





#43

Isopropyl Acetate

Concen: 20.391 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

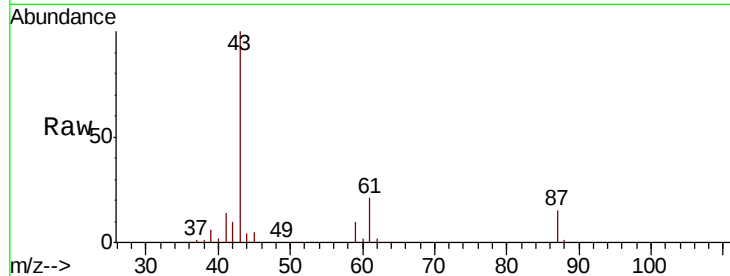
Tgt Ion: 43 Resp: 143639

Ion Ratio Lower Upper

43 100

61 19.2 23.0 34.6#

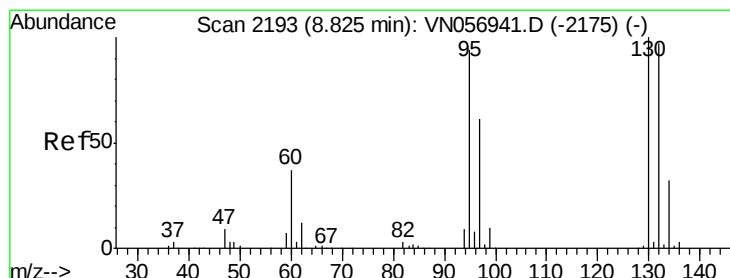
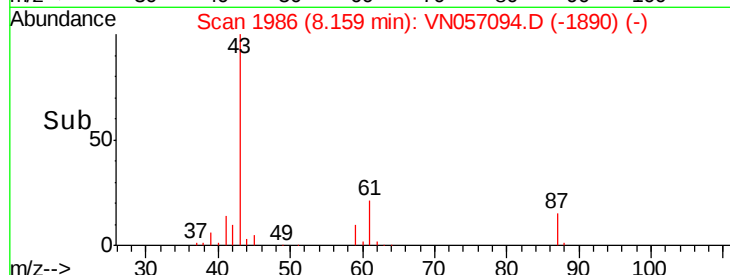
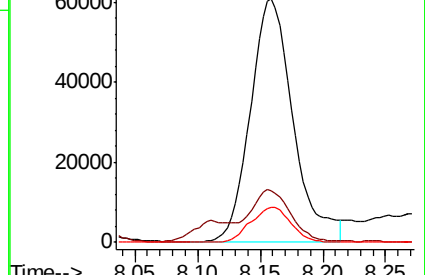
87 13.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 19.310 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057094.D

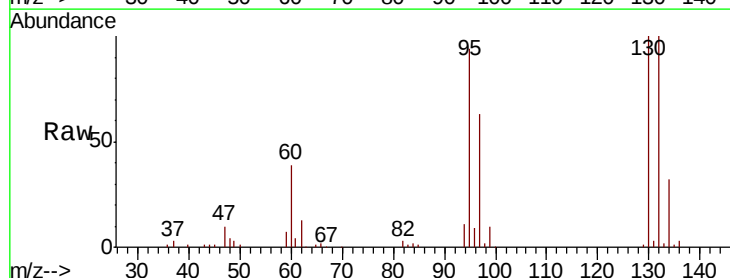
Acq: 6 Aug 2019 11:38

Tgt Ion: 130 Resp: 87193

Ion Ratio Lower Upper

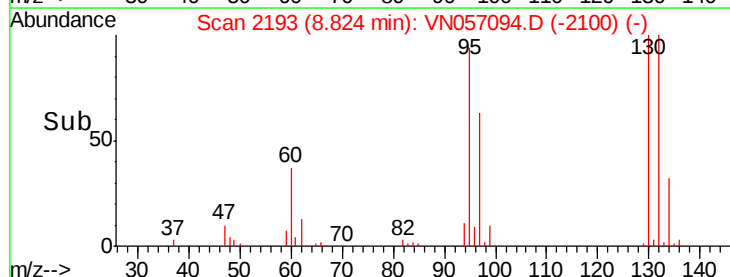
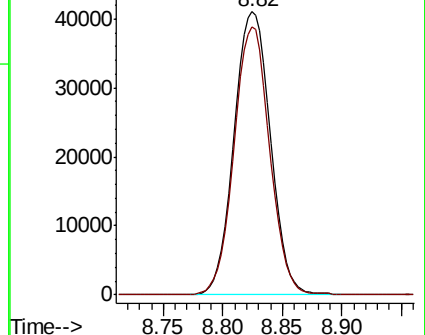
130 100

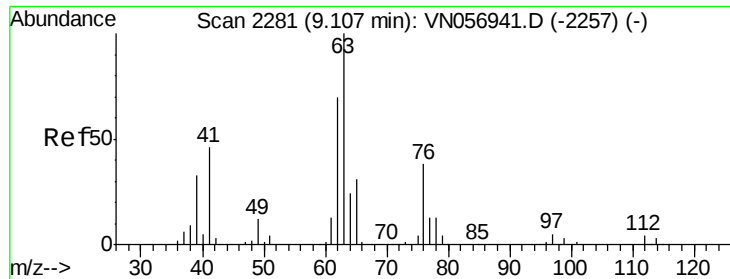
95 94.7 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

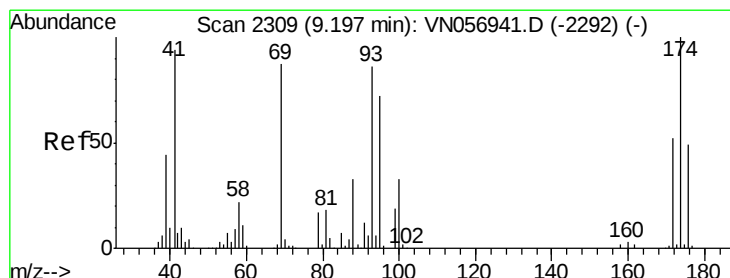
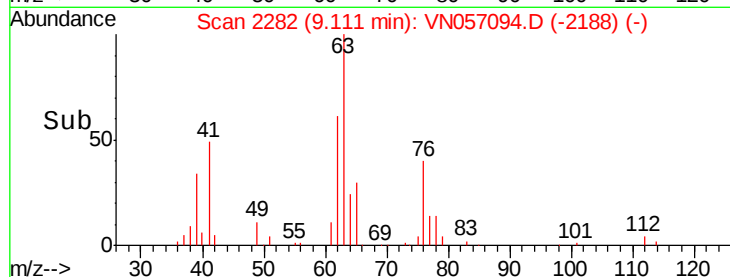
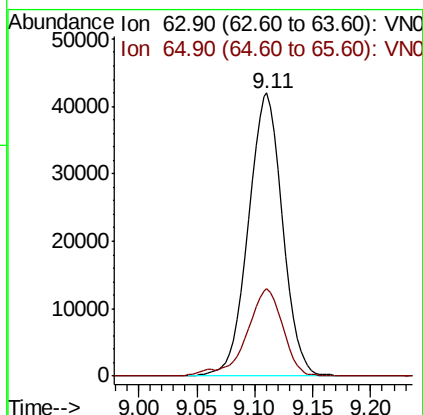
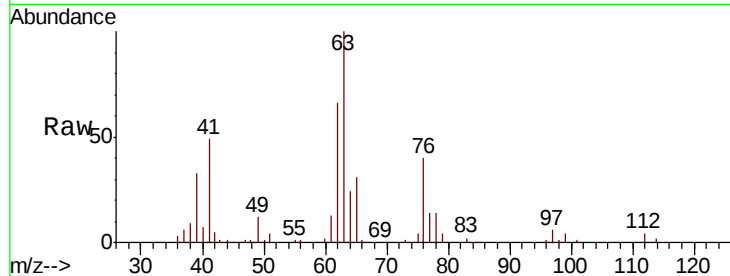




#45
 1,2-Dichloropropane
 Concen: 19.722 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

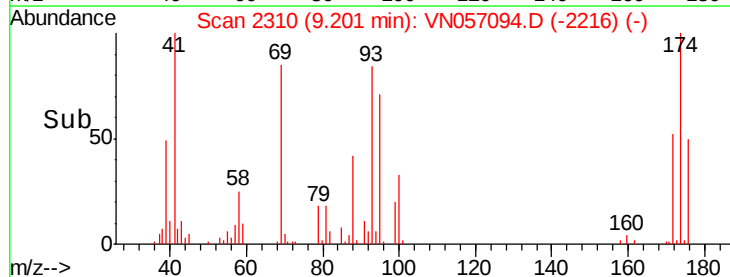
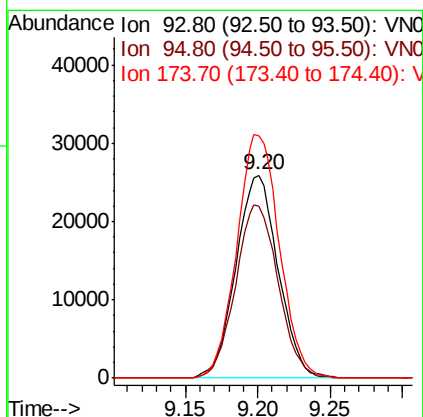
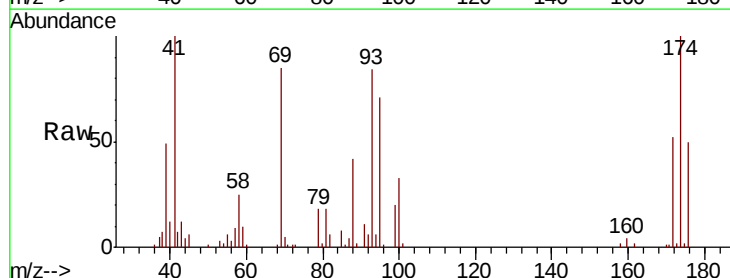
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

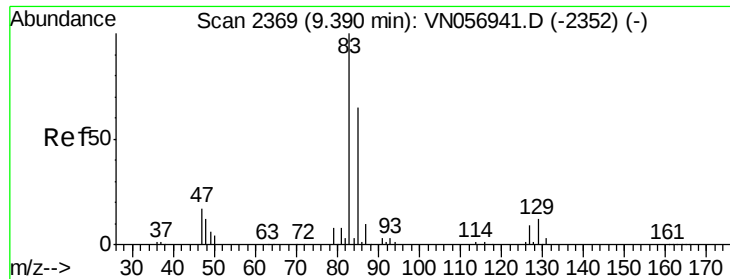
Tgt Ion: 63 Resp: 86458
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.8 37.2



#46
 Dibromomethane
 Concen: 19.878 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 93 Resp: 52554
 Ion Ratio Lower Upper
 93 100
 95 85.9 67.0 100.6
 174 120.9 92.7 139.1





#47

Bromodichloromethane

Concen: 19.746 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

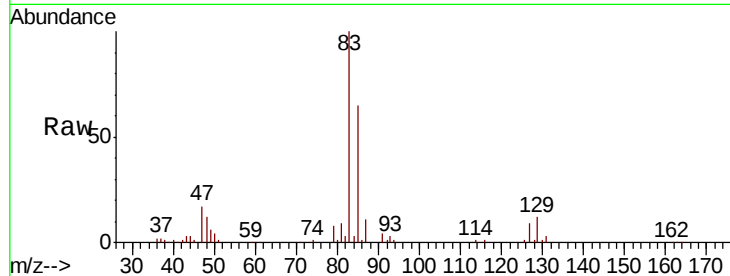
Tgt Ion: 83 Resp: 102642

Ion Ratio Lower Upper

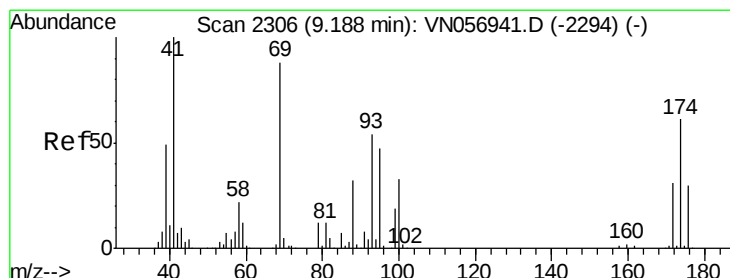
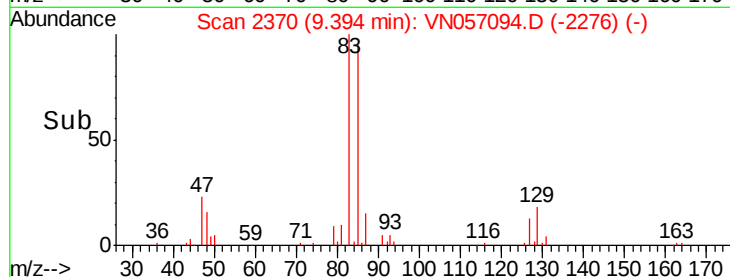
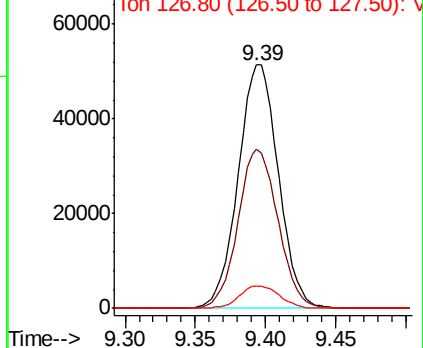
83 100

85 65.3 51.6 77.4

127 9.2 7.3 10.9



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): V



#48

Methyl methacrylate

Concen: 19.831 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

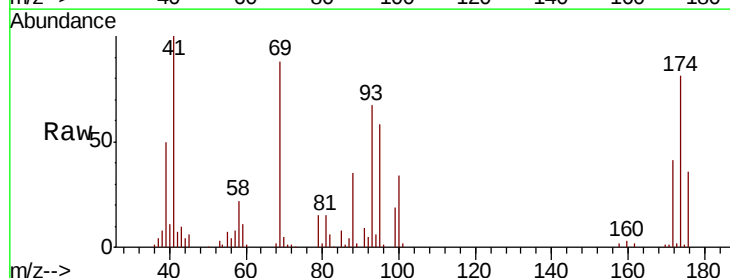
Tgt Ion: 41 Resp: 67444

Ion Ratio Lower Upper

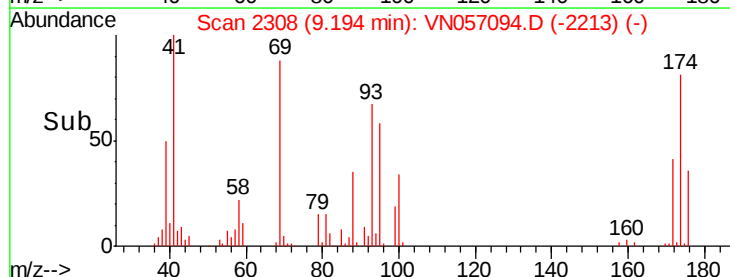
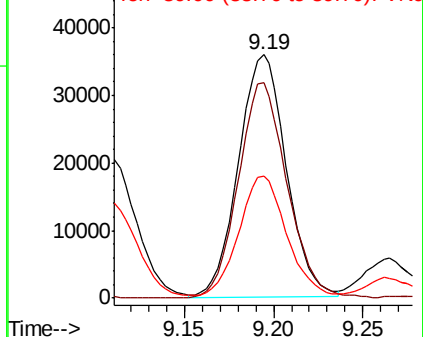
41 100

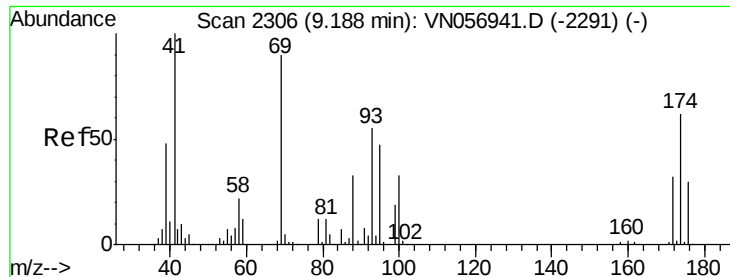
69 90.4 73.4 110.0

39 51.0 39.9 59.9



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: 416.706 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

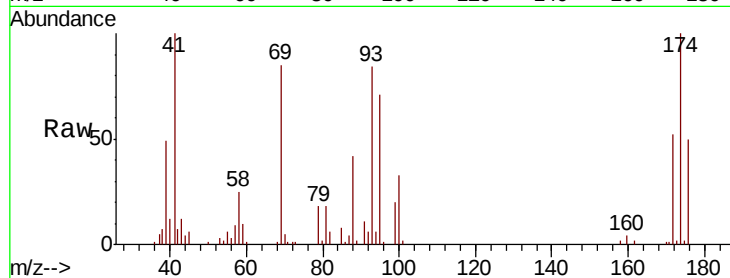
Tgt Ion: 88 Resp: 29205

Ion Ratio Lower Upper

88 100

43 26.6 22.2 33.2

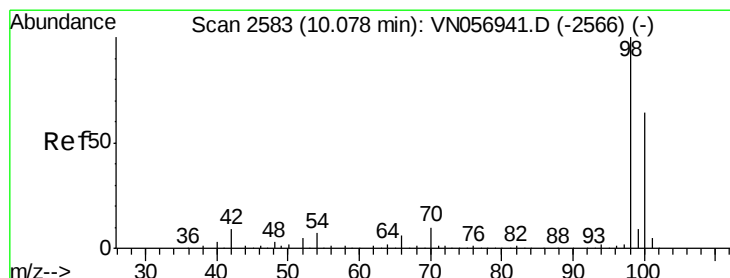
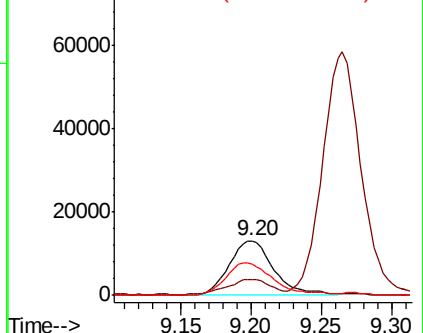
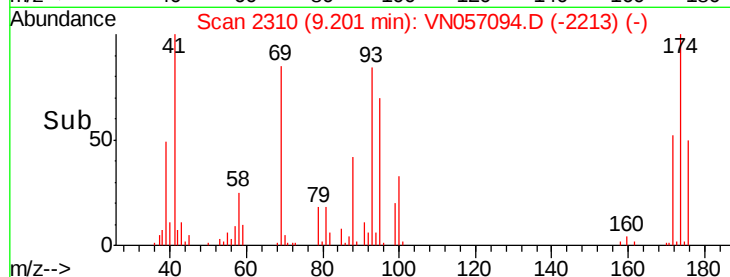
58 63.1 54.1 81.1



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: 47.643 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN057094.D

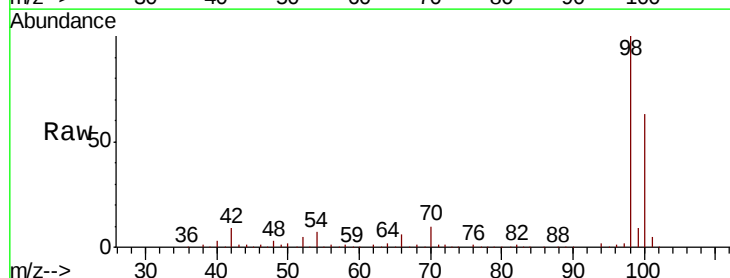
Acq: 6 Aug 2019 11:38

Tgt Ion: 98 Resp: 703372

Ion Ratio Lower Upper

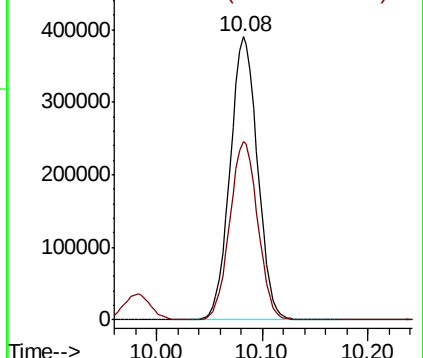
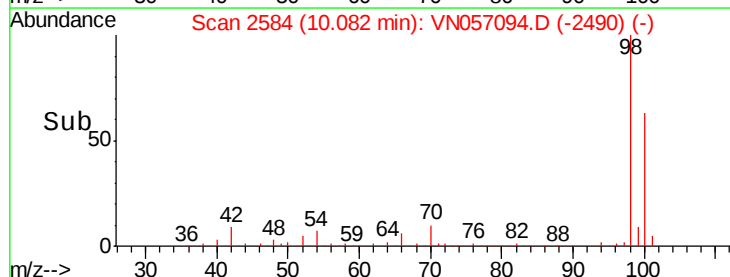
98 100

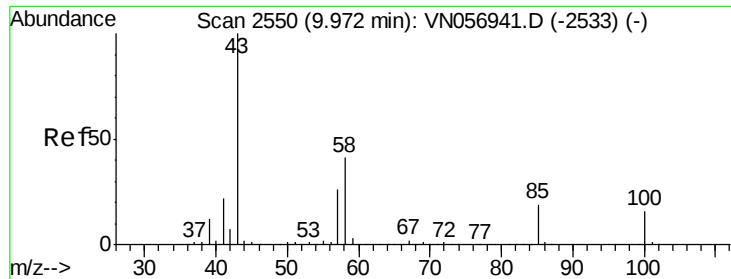
100 63.6 51.3 76.9



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: 95.016 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.01 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

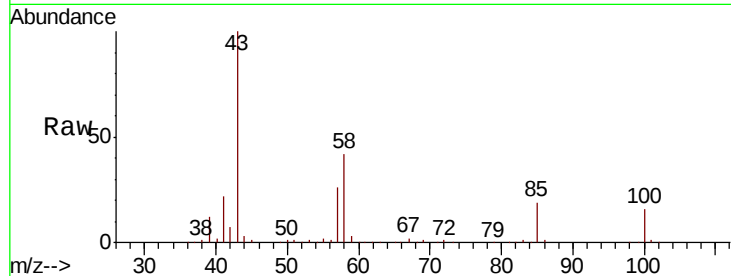
VN0806WBSD01

Tgt Ion: 43 Resp: 397680

Ion Ratio Lower Upper

43 100

58 41.2 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

200000

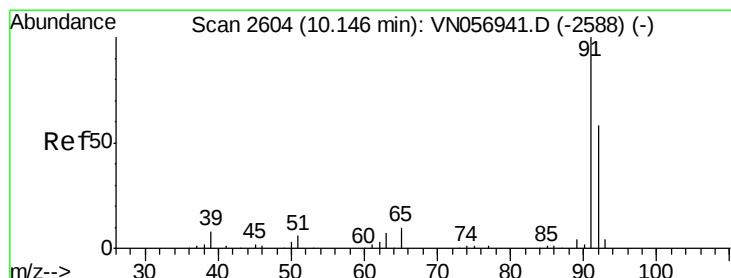
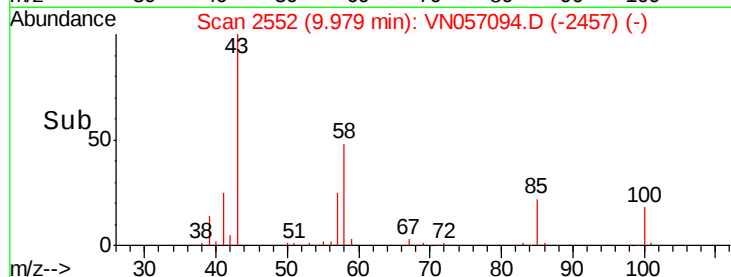
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.814 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057094.D

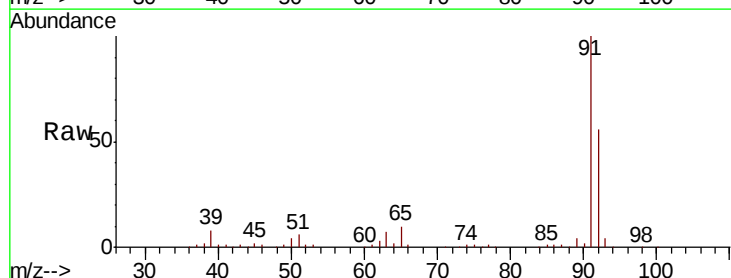
Acq: 6 Aug 2019 11:38

Tgt Ion: 92 Resp: 195110

Ion Ratio Lower Upper

92 100

91 176.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

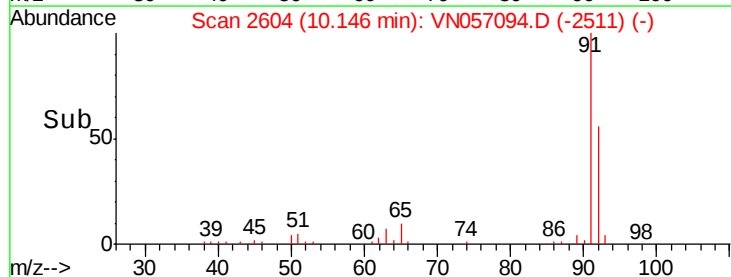
150000

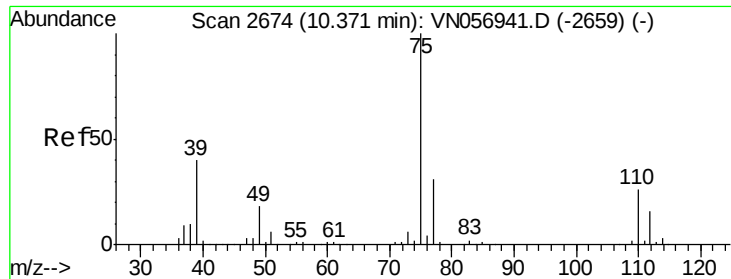
100000

50000

0

Time-->

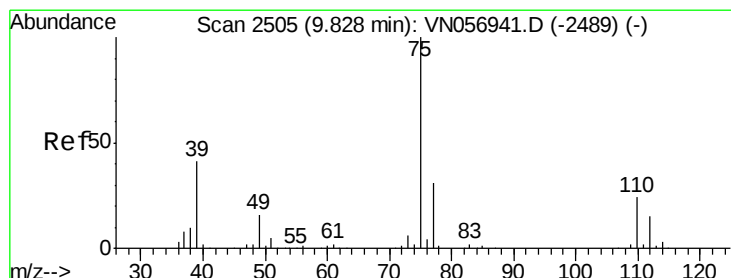
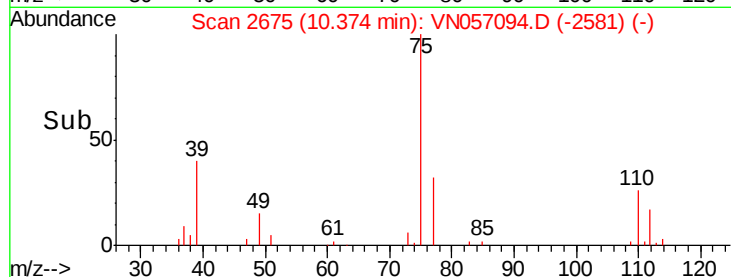
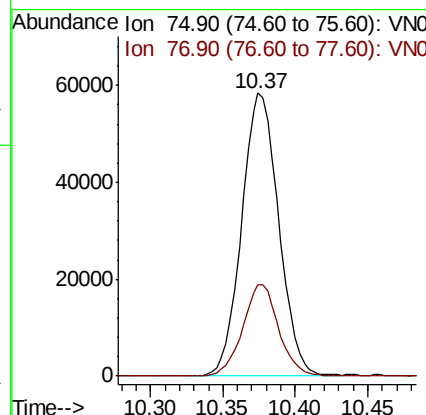
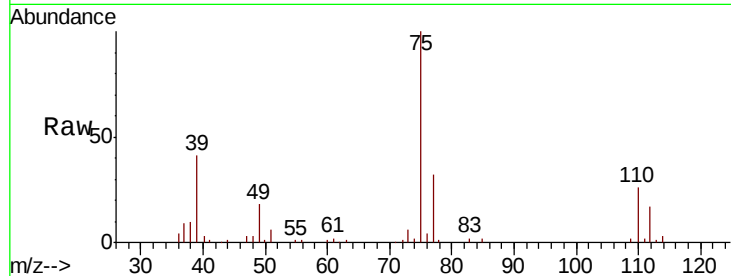




#53
 t-1,3-Dichloropropene
 Concen: 19.232 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

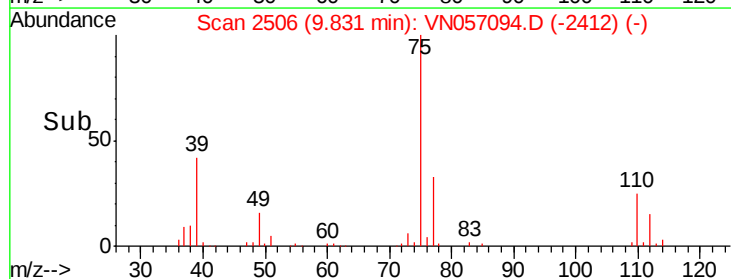
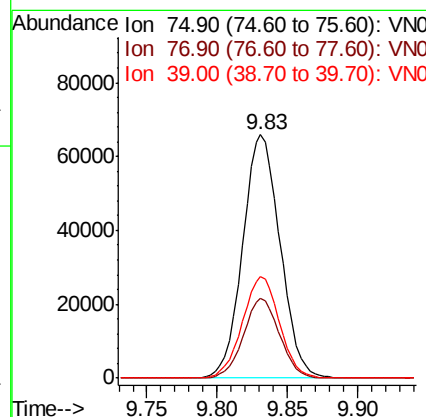
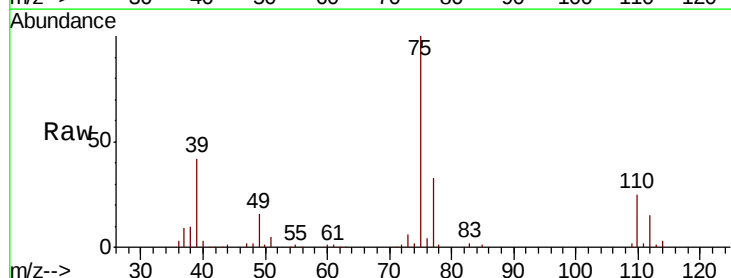
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

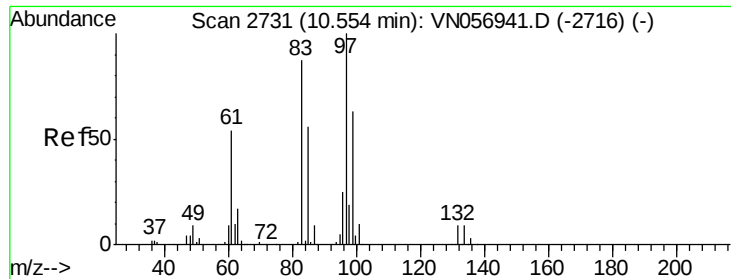
Tgt Ion: 75 Resp: 103739
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.1 37.7



#54
 cis-1,3-Dichloropropene
 Concen: 19.551 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 75 Resp: 122620
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.6
 39 41.9 32.6 49.0

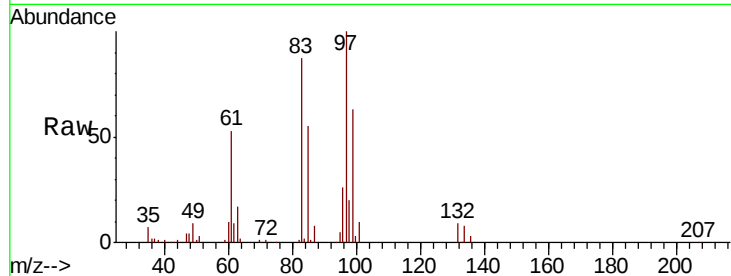




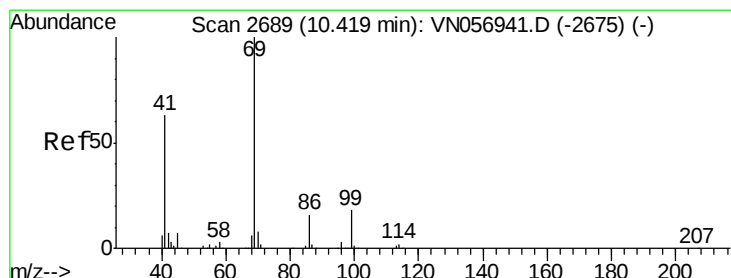
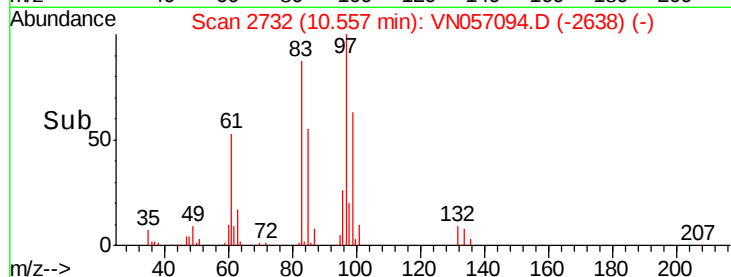
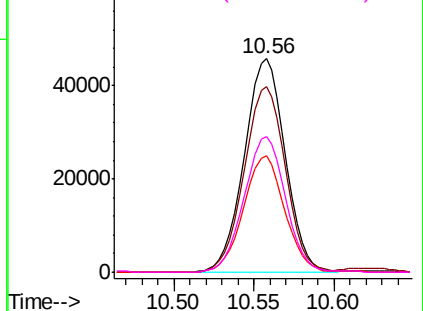
#55
 1,1,2-Trichloroethane
 Concen: 20.232 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0806WBSD01

Tgt Ion: 97 Resp: 79898
 Ion Ratio Lower Upper
 97 100
 83 87.1 69.4 104.0
 85 54.5 44.7 67.1
 99 63.4 50.1 75.1

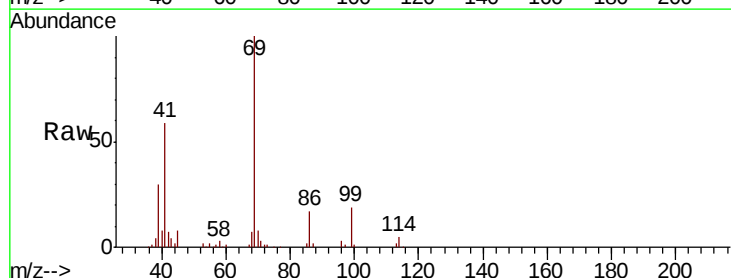


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

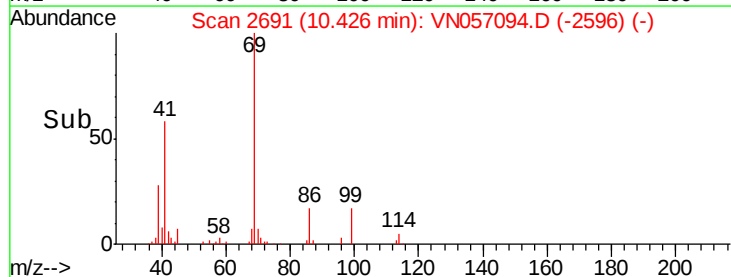
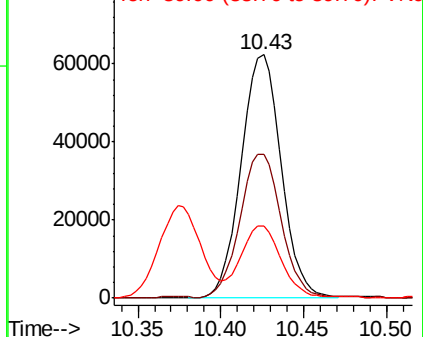


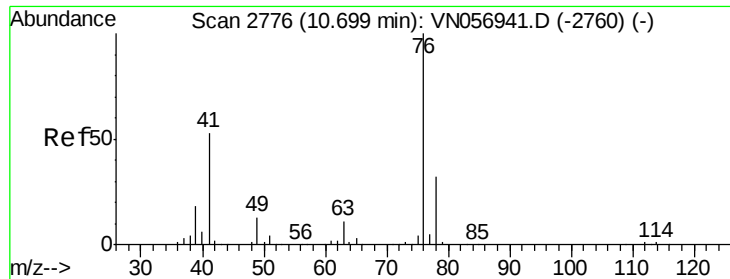
#56
 Ethyl methacrylate
 Concen: 18.801 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.01 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 69 Resp: 105332
 Ion Ratio Lower Upper
 69 100
 41 60.1 49.2 73.8
 39 30.7 23.1 34.7



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

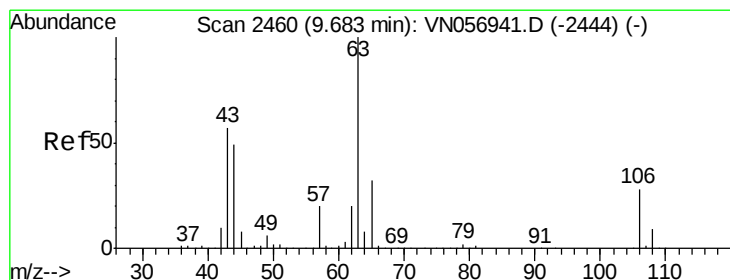
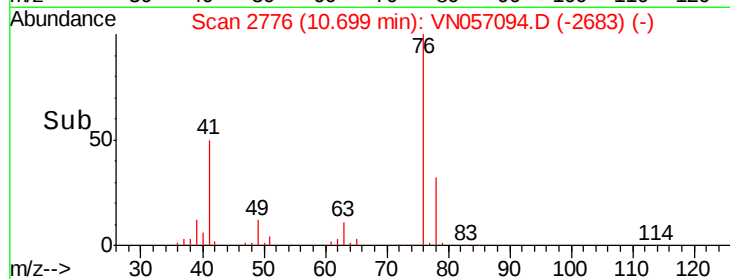
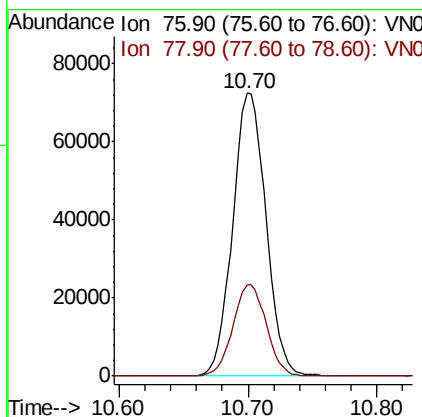
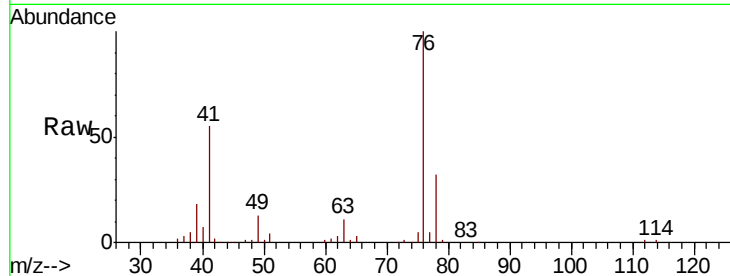




#57
 1,3-Dichloropropane
 Concen: 19.855 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

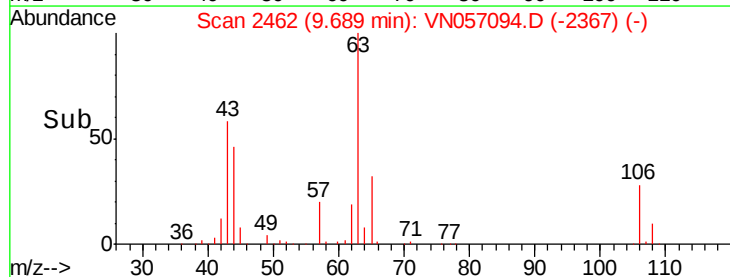
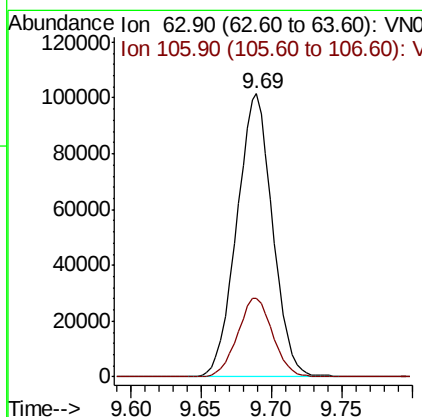
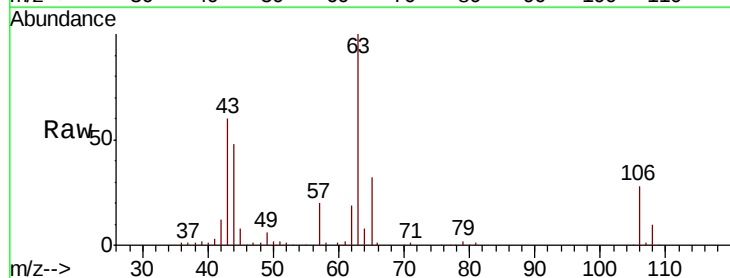
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

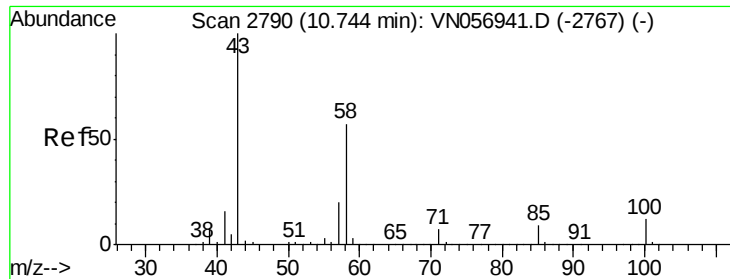
Tgt Ion: 76 Resp: 130019
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 75.960 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.01 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 63 Resp: 179755
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.0 33.0

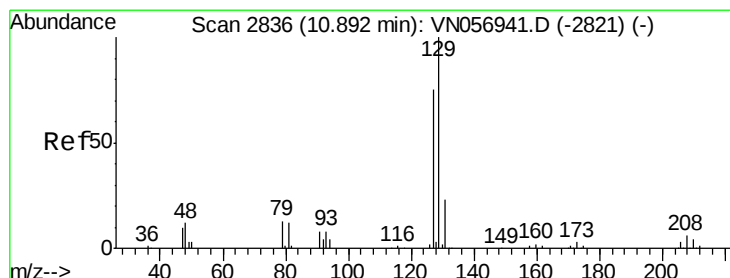
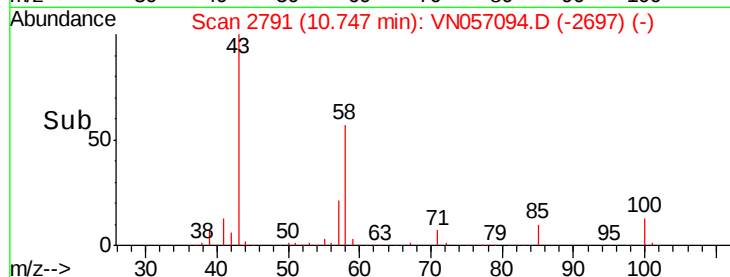
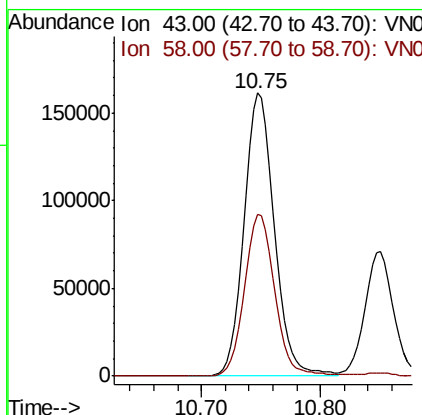
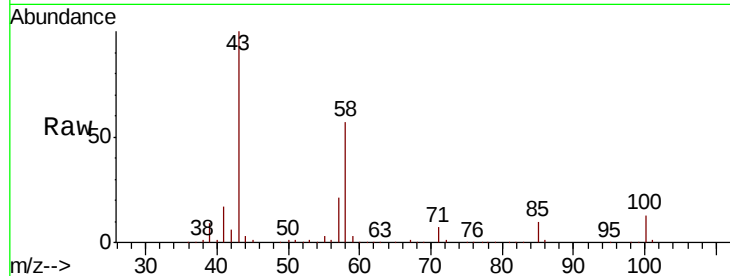




#59
2-Hexanone
Concen: 90.200 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

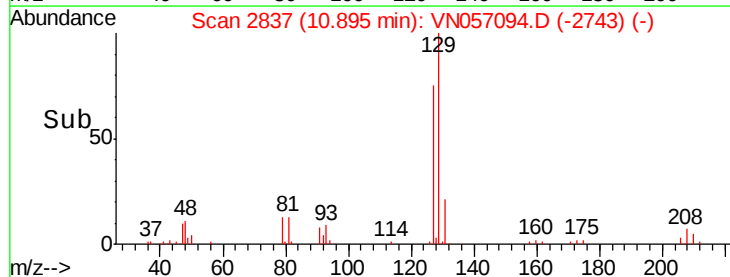
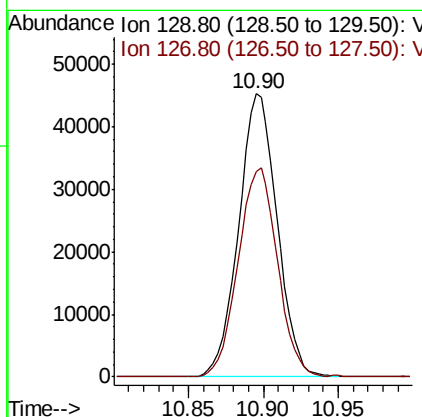
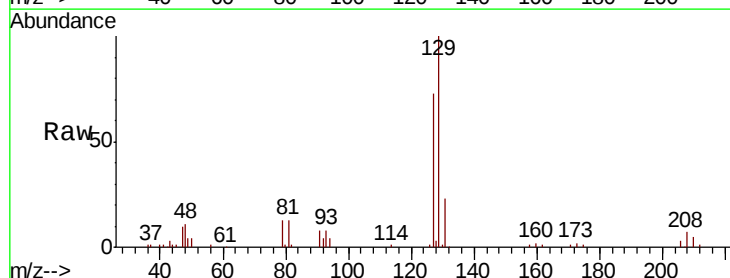
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

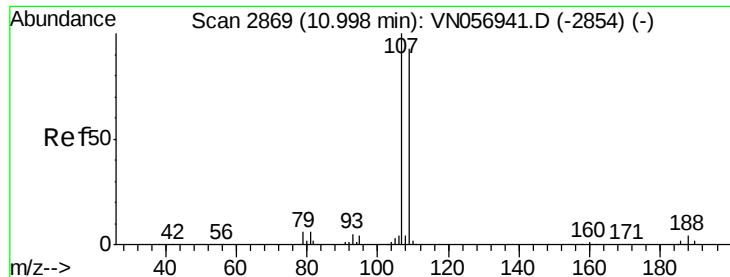
Tgt Ion: 43 Resp: 285526
Ion Ratio Lower Upper
43 100
58 56.8 28.5 85.5



#60
Dibromochloromethane
Concen: 20.046 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 129 Resp: 81103
Ion Ratio Lower Upper
129 100
127 75.4 38.0 113.9





#61

1,2-Dibromoethane

Concen: 20.465 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

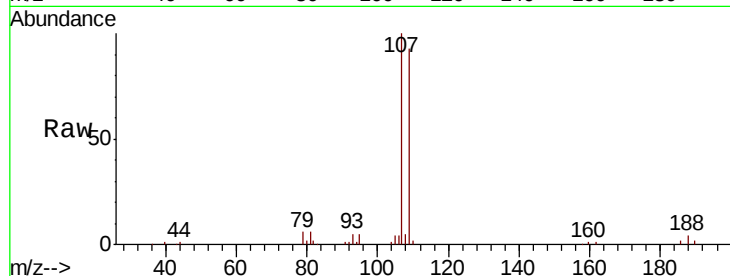
VN0806WBSD01

Tgt Ion: 107 Resp: 78868

Ion Ratio Lower Upper

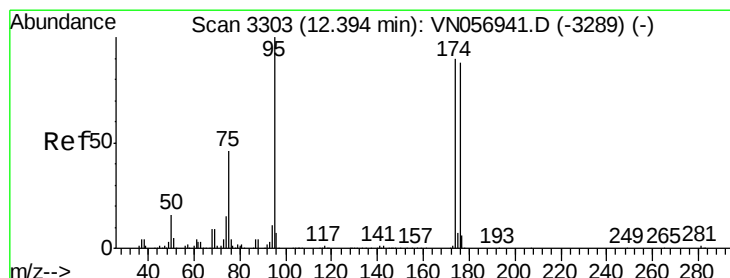
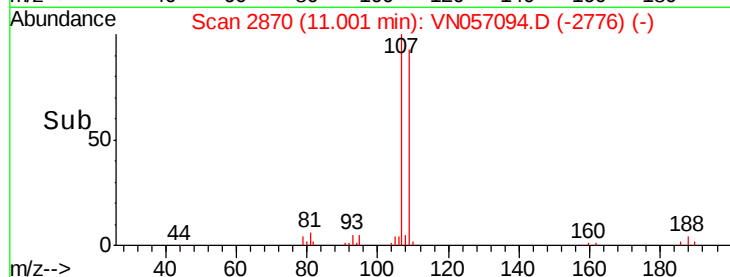
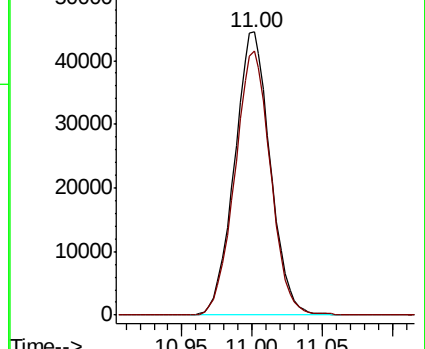
107 100

109 93.0 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.564 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

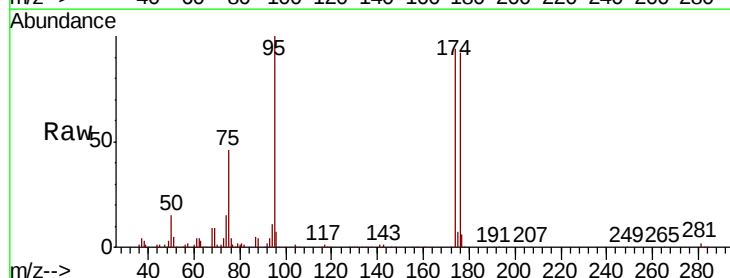
Tgt Ion: 95 Resp: 228597

Ion Ratio Lower Upper

95 100

174 94.7 0.0 182.2

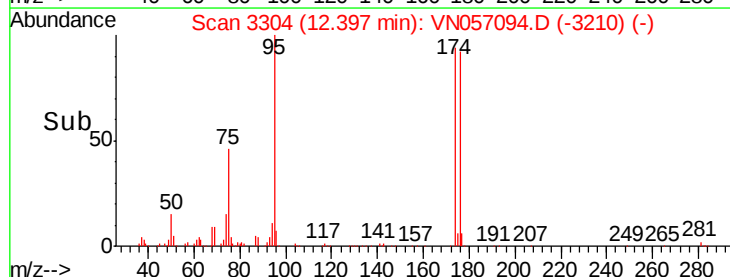
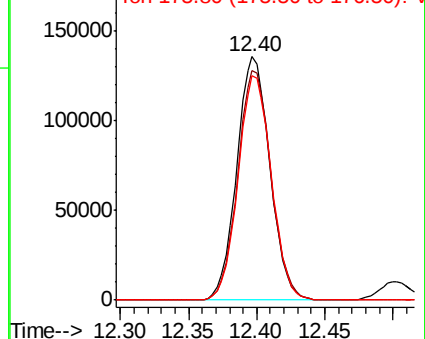
176 92.5 0.0 179.4

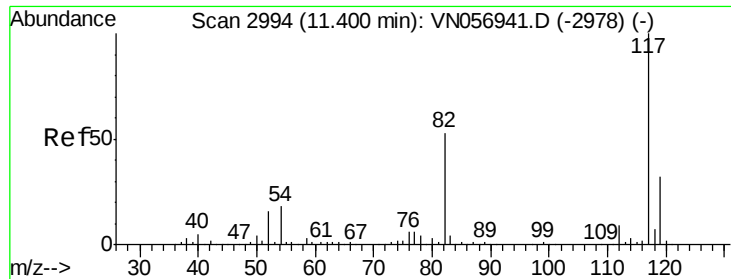


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

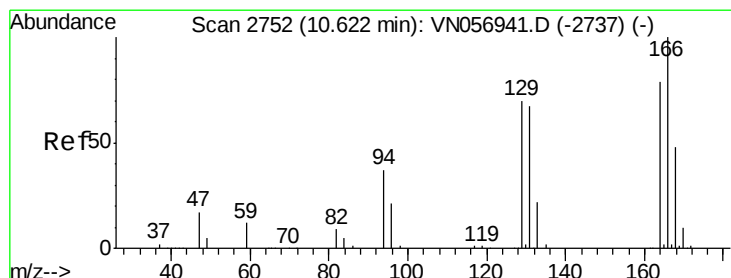
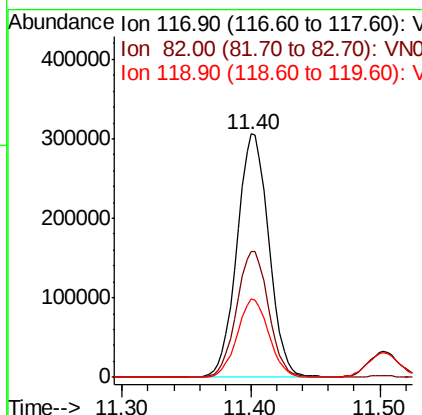
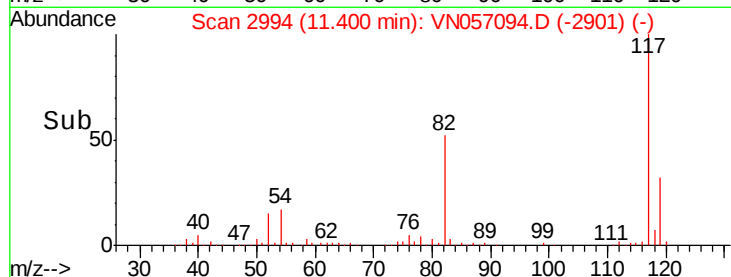
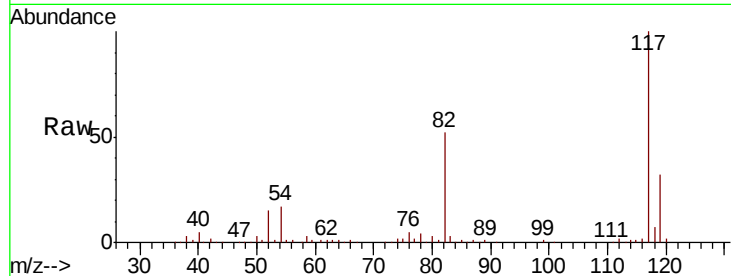




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

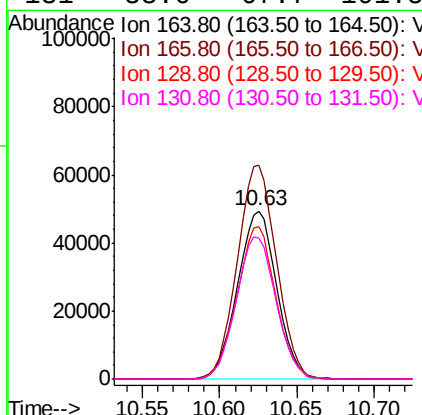
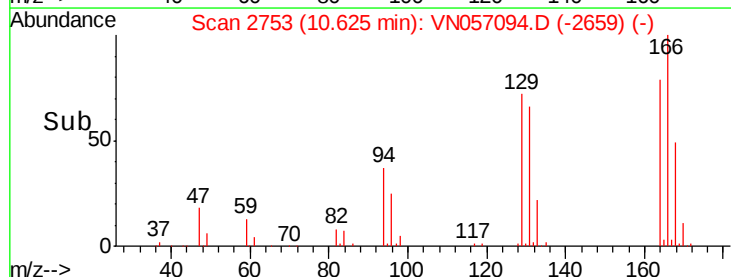
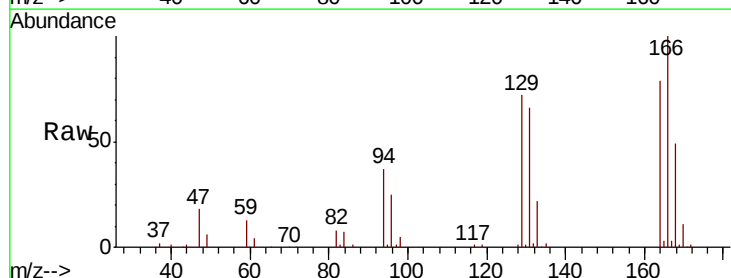
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

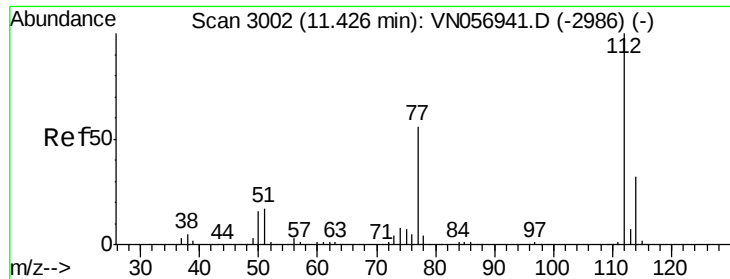
Tgt Ion:117 Resp: 526285
Ion Ratio Lower Upper
117 100
82 51.8 42.2 63.4
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 19.116 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion:164 Resp: 86697
Ion Ratio Lower Upper
164 100
166 126.9 101.1 151.7
129 90.8 70.9 106.3
131 83.6 67.7 101.5





#65

Chlorobenzene

Concen: 19.717 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

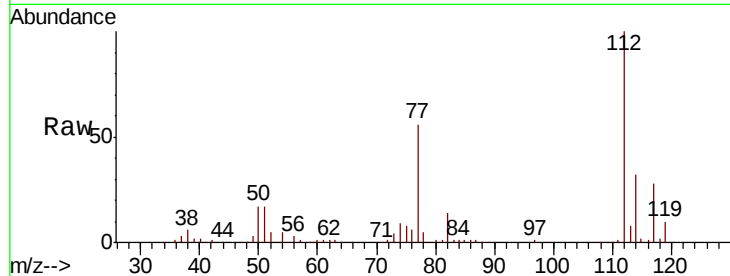
VN0806WBSD01

Tgt Ion:112 Resp: 211490

Ion Ratio Lower Upper

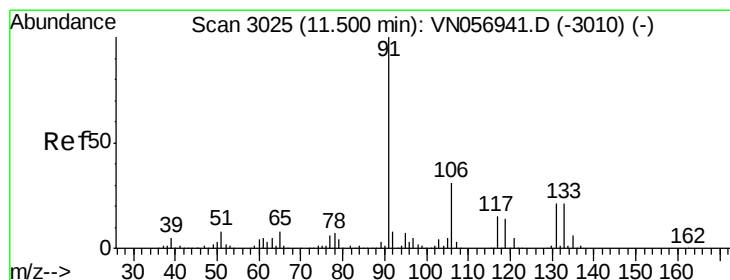
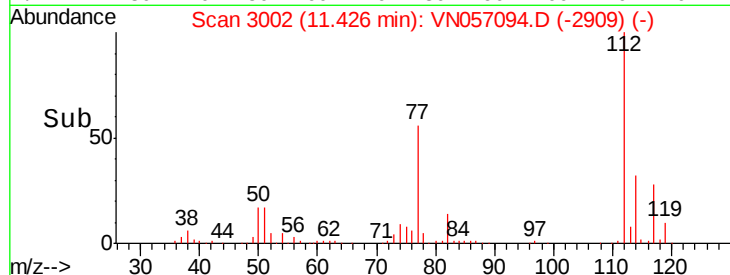
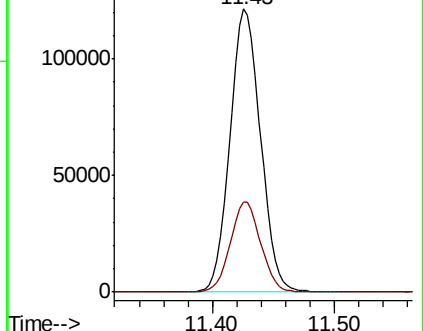
112 100

114 32.0 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.399 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

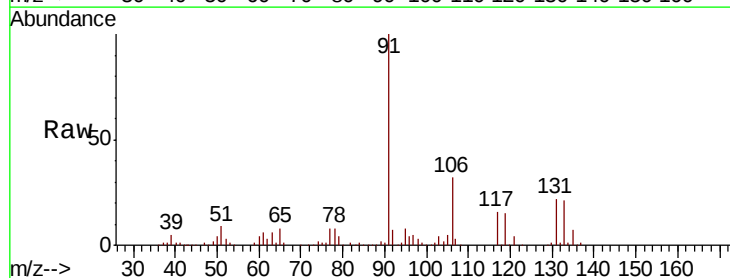
Tgt Ion:131 Resp: 82354

Ion Ratio Lower Upper

131 100

133 94.4 48.0 144.0

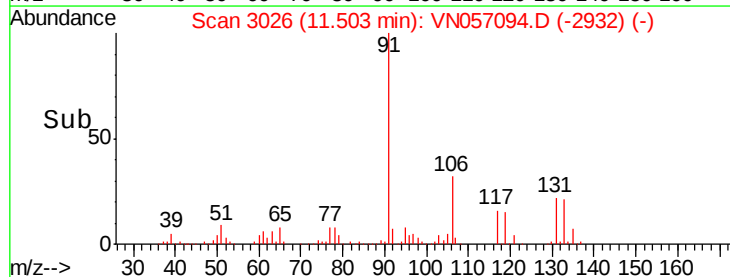
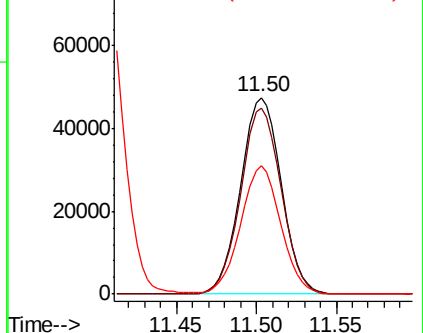
119 64.5 33.2 99.6

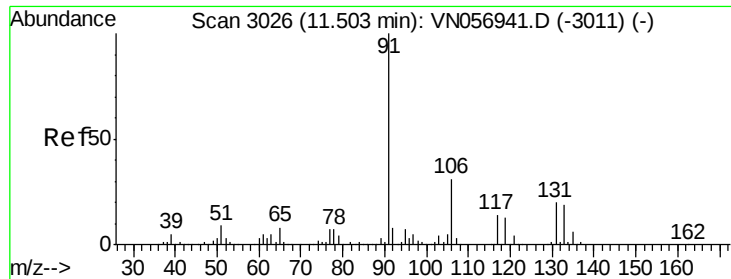


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

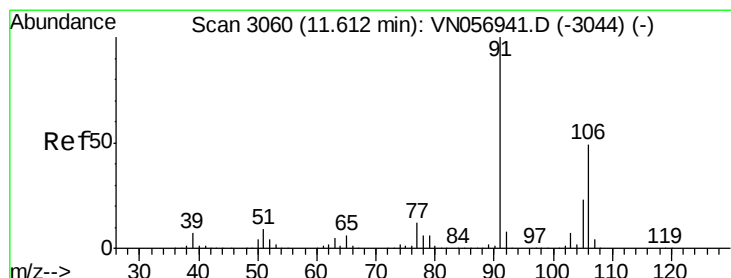
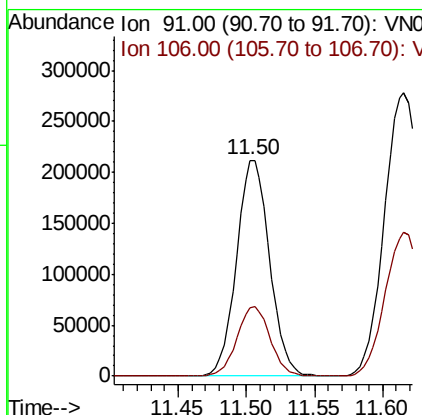
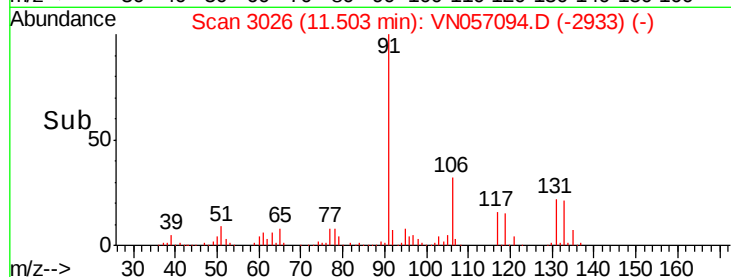
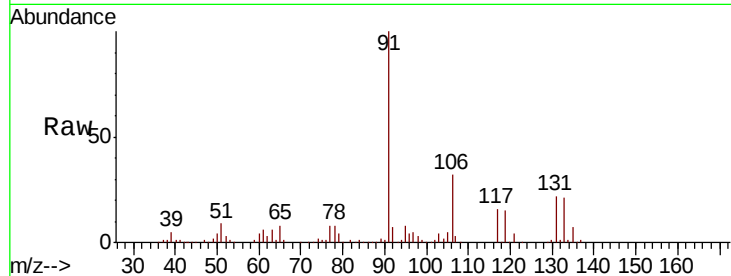




#67
Ethyl Benzene
Concen: 19.209 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

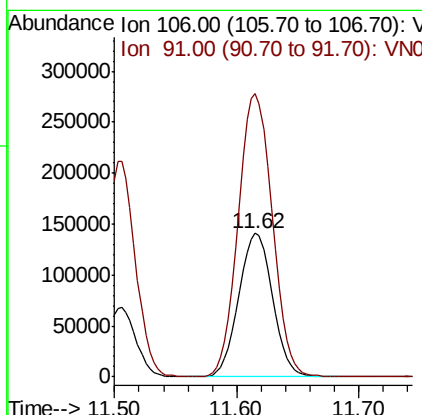
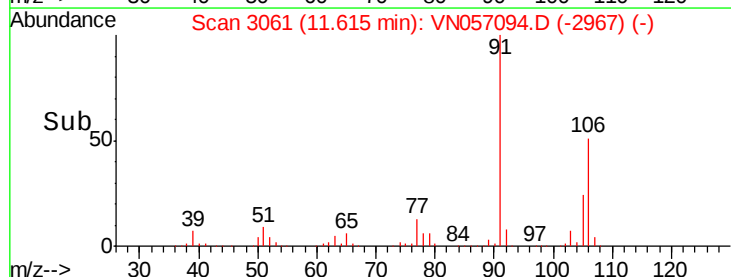
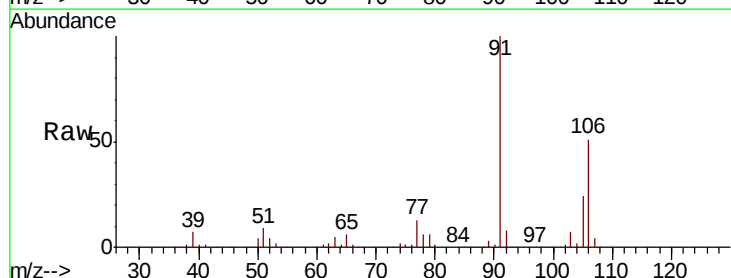
Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

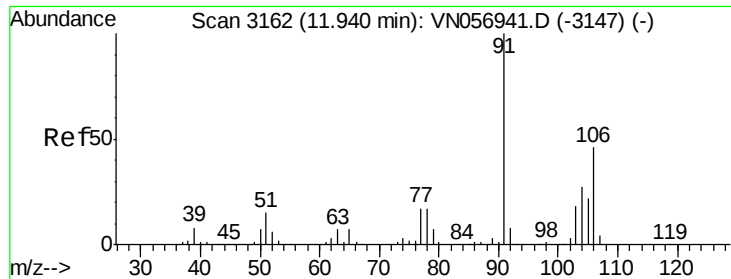
Tgt Ion: 91 Resp: 356099
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 39.377 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion: 106 Resp: 269410
Ion Ratio Lower Upper
106 100
91 199.4 160.0 240.0

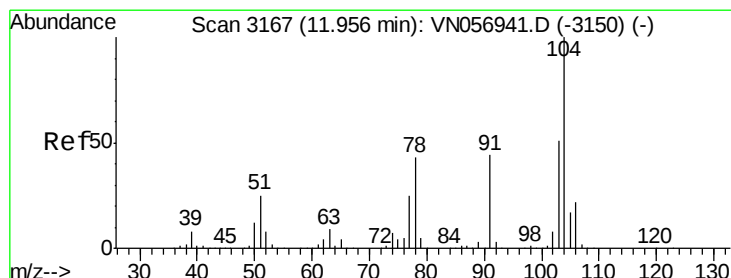
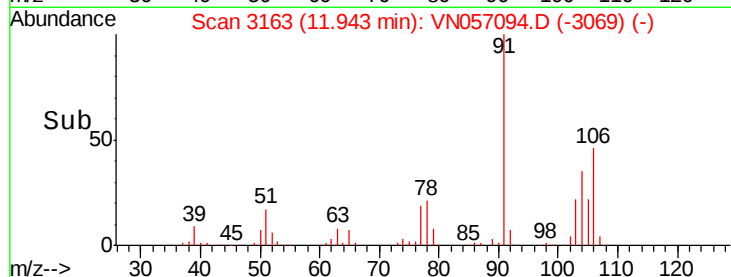
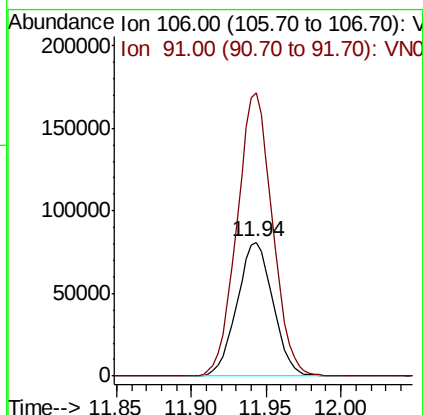
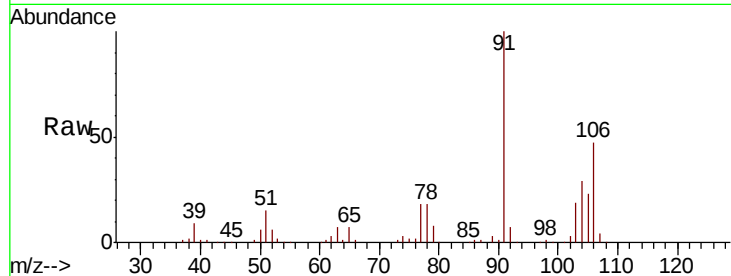




#69
o-Xylene
Concen: 20.225 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

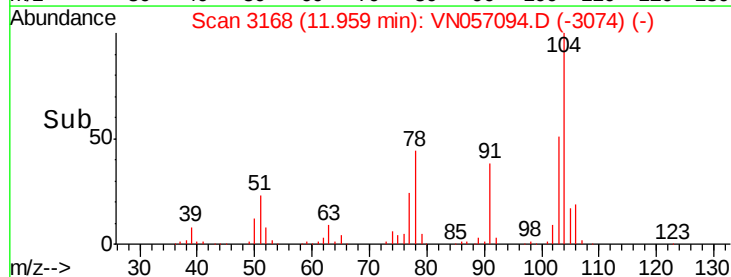
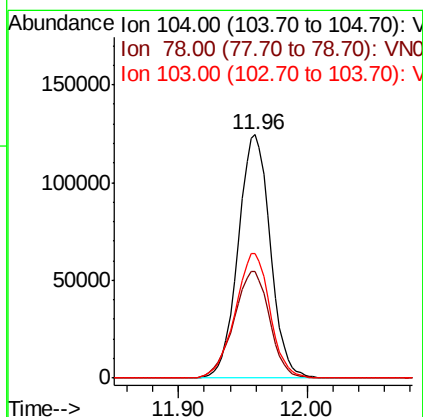
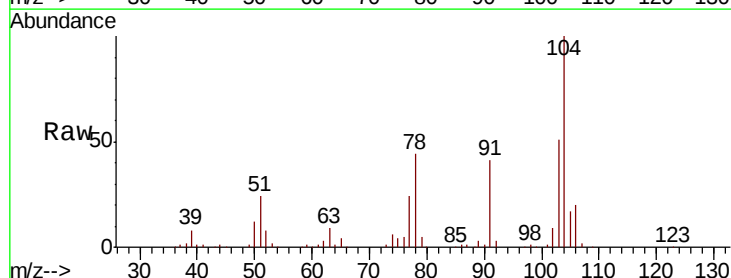
Instrument :
MSVOA_N
ClientSampled :
VN0806WBSD01

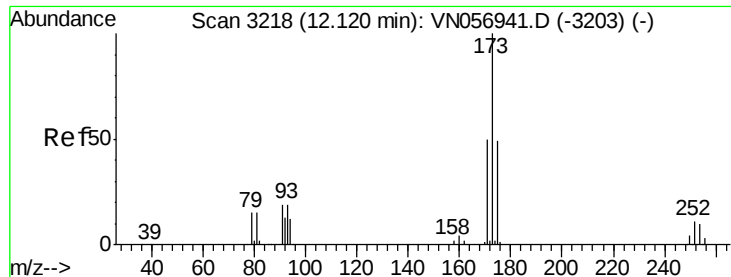
Tgt Ion:106 Resp: 135377
Ion Ratio Lower Upper
106 100
91 209.2 106.2 318.6



#70
Styrene
Concen: 19.428 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion:104 Resp: 215828
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 55.6 44.3 66.5





#71

Bromoform

Concen: 20.409 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

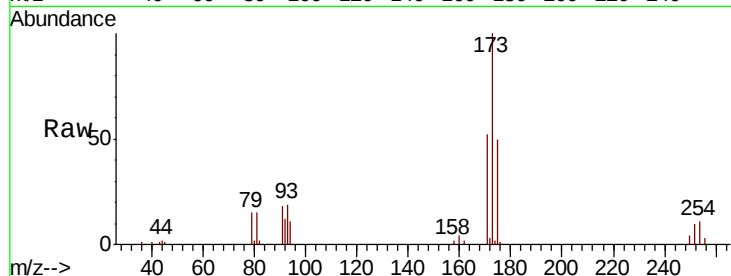
Tgt Ion:173 Resp: 57526

Ion Ratio Lower Upper

173 100

175 49.0 24.1 72.4

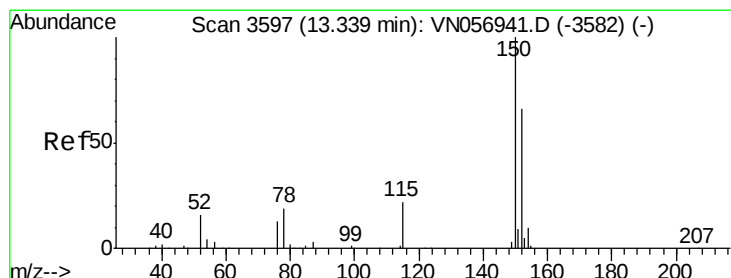
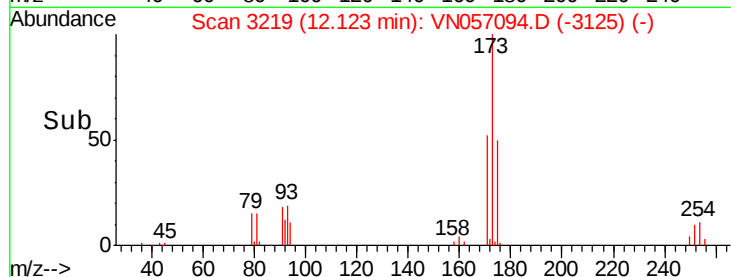
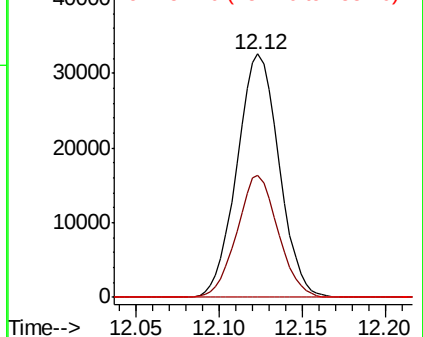
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

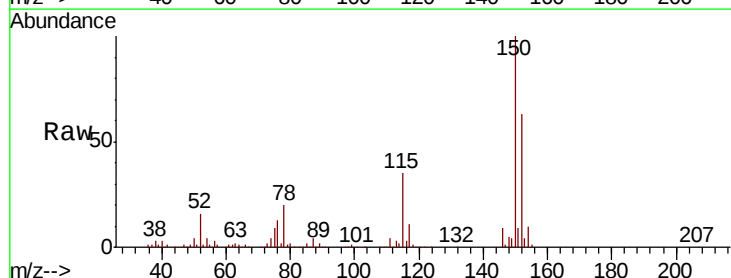
Tgt Ion:152 Resp: 214288

Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.6

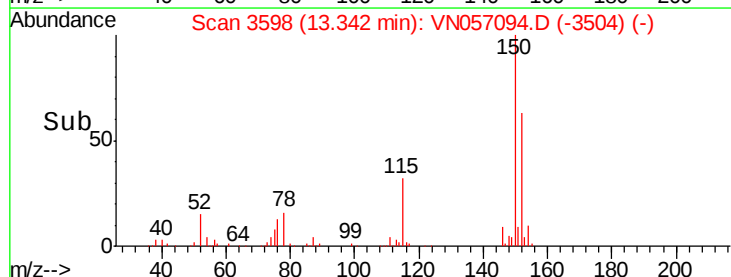
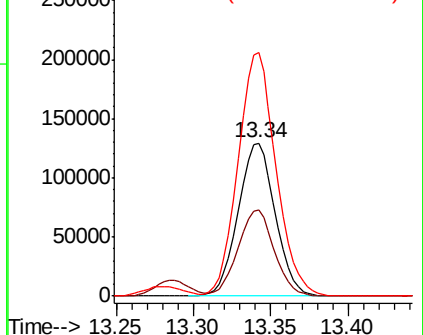
150 163.6 0.0 349.4

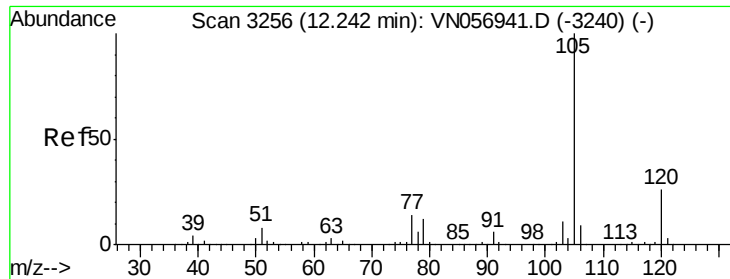


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.121 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

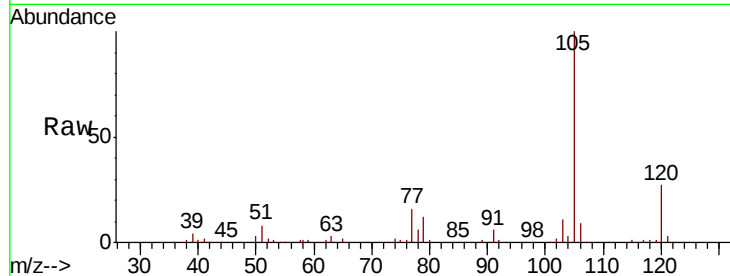
VN0806WBSD01

Tgt Ion: 105 Resp: 354117

Ion Ratio Lower Upper

105 100

120 27.0 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

0

12.25

12.20

12.15

12.10

12.05

12.00

11.95

11.90

11.85

11.80

11.75

11.70

11.65

11.60

11.55

11.50

11.45

11.40

11.35

11.30

11.25

11.20

11.15

11.10

11.05

11.00

10.95

10.90

10.85

10.80

10.75

10.70

10.65

10.60

10.55

10.50

10.45

10.40

10.35

10.30

10.25

10.20

10.15

10.10

10.05

10.00

9.95

9.85

9.75

9.65

9.55

9.45

9.40

9.35

9.30

9.25

9.20

9.15

9.10

9.05

9.00

8.95

8.90

8.85

8.80

8.75

8.70

8.65

8.60

8.55

8.50

8.45

8.40

8.35

8.30

8.25

8.20

8.15

8.10

8.05

8.00

7.95

7.90

7.85

7.80

7.75

7.70

7.65

7.60

7.55

7.50

7.45

7.40

7.35

7.30

7.25

7.20

7.15

7.10

7.05

7.00

6.95

6.90

6.85

6.80

6.75

6.70

6.65

6.60

6.55

6.50

6.45

6.40

6.35

6.30

6.25

6.20

6.15

6.10

6.05

6.00

5.95

5.90

5.85

5.80

5.75

5.70

5.65

5.60

5.55

5.50

5.45

5.40

5.35

5.30

5.25

5.20

5.15

5.10

5.05

5.00

4.95

4.90

4.85

4.80

4.75

4.70

4.65

4.60

4.55

4.50

4.45

4.40

4.35

4.30

4.25

4.20

4.15

4.10

4.05

4.00

3.95

3.90

3.85

3.80

3.75

3.70

3.65

3.60

3.55

3.50

3.45

3.40

3.35

3.30

3.25

3.20

3.15

3.10

3.05

3.00

2.95

2.90

2.85

2.80

2.75

2.70

2.65

2.60

2.55

2.50

2.45

2.40

2.35

2.30

2.25

2.20

2.15

2.10

2.05

2.00

1.95

1.90

1.85

1.80

1.75

1.70

1.65

1.60

1.55

1.50

1.45

1.40

1.35

1.30

1.25

1.20

1.15

1.10

1.05

1.00

0.95

0.90

0.85

0.80

0.75

0.70

0.65

0.60

0.55

0.50

0.45

0.40

0.35

0.30

0.25

0.20

0.15

0.10

0.05

0.00

-0.05

-0.10

-0.15

-0.20

-0.25

-0.30

-0.35

-0.40

-0.45

-0.50

-0.55

-0.60

-0.65

-0.70

-0.75

-0.80

-0.85

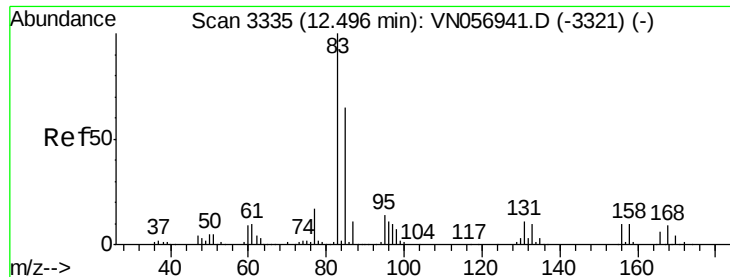
-0.90

-0.95

-1.00

-1.05

-1.10



#75

1,1,2,2-Tetrachloroethane

Concen: 21.881 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

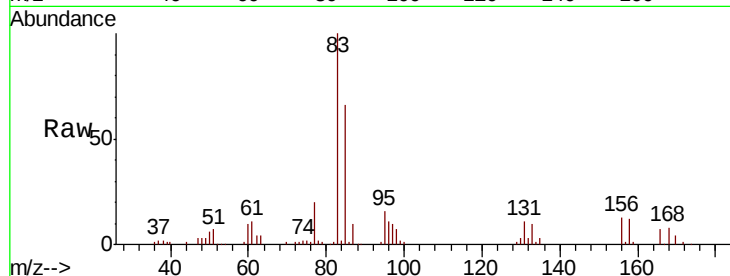
Tgt Ion: 83 Resp: 109149

Ion Ratio Lower Upper

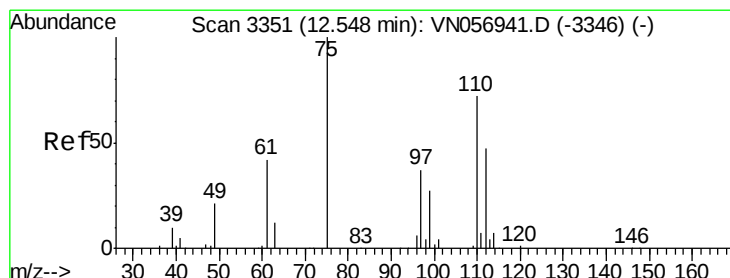
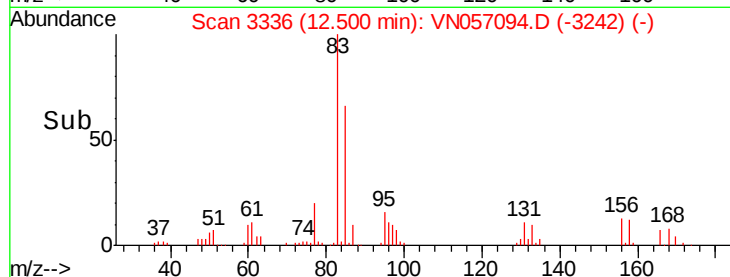
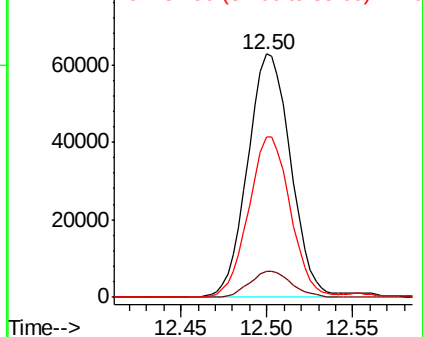
83 100

131 10.5 5.3 16.1

85 64.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 28.663 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057094.D

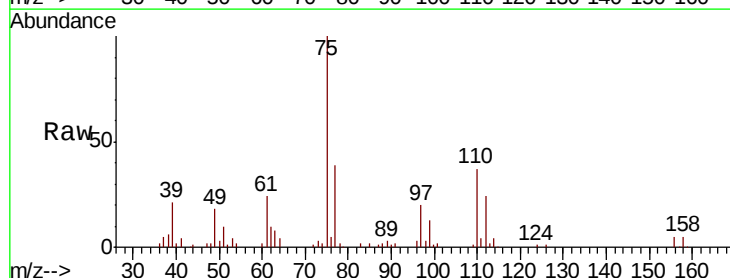
Acq: 6 Aug 2019 11:38

Tgt Ion: 75 Resp: 124737

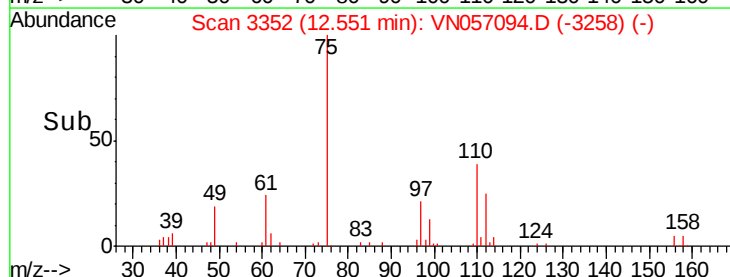
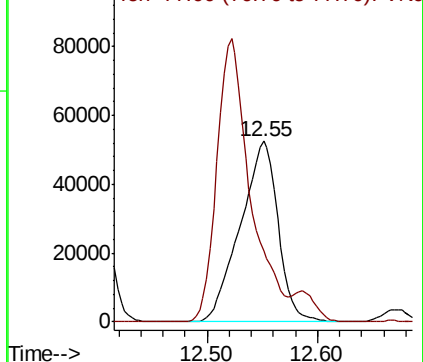
Ion Ratio Lower Upper

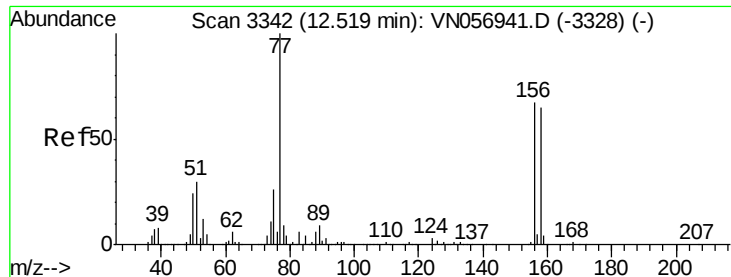
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 20.067 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

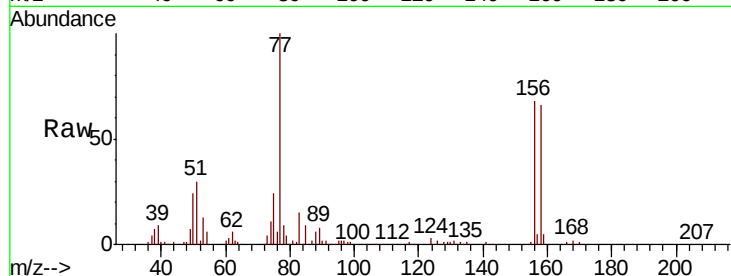
Tgt Ion:156 Resp: 96994

Ion Ratio Lower Upper

156 100

77 178.7 89.5 268.5

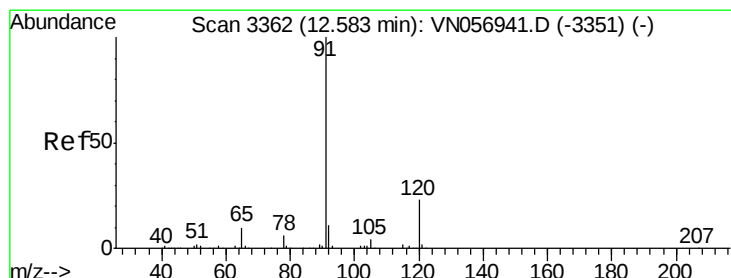
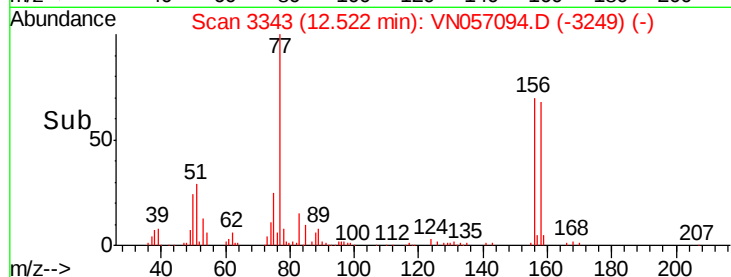
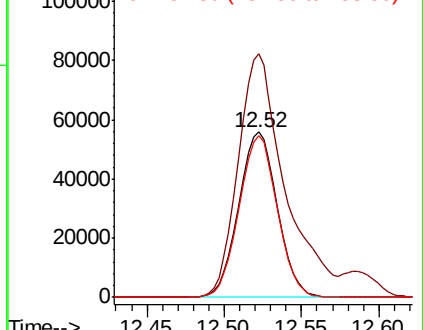
158 96.6 48.4 145.3



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: 18.228 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057094.D

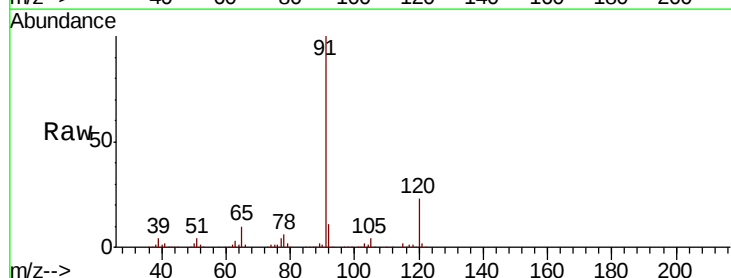
Acq: 6 Aug 2019 11:38

Tgt Ion: 91 Resp: 360446

Ion Ratio Lower Upper

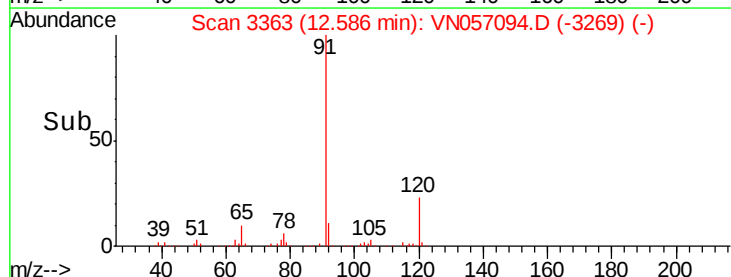
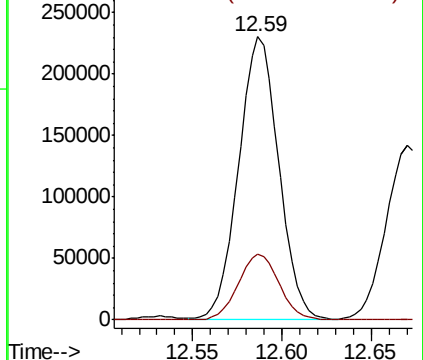
91 100

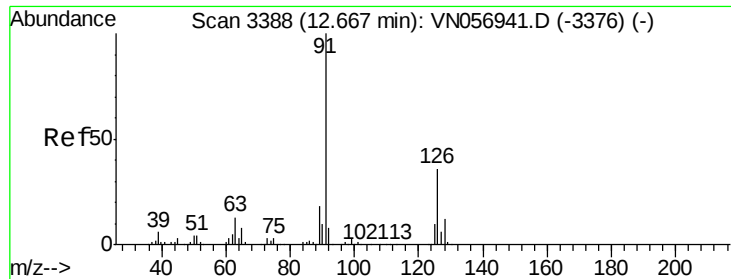
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.381 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

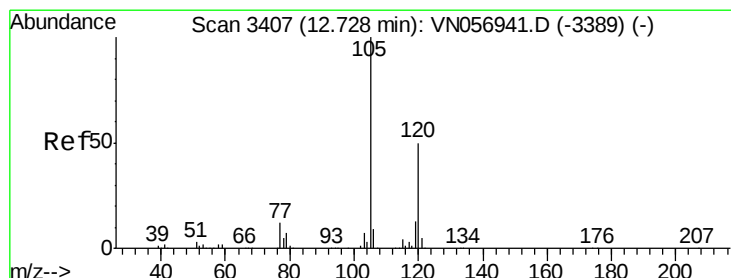
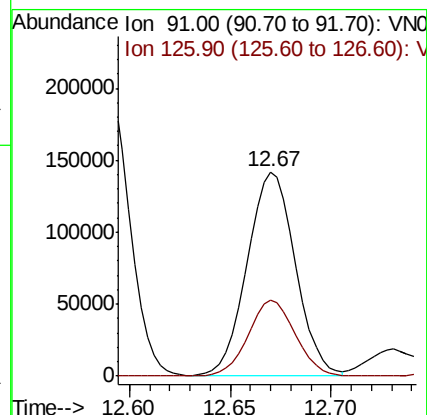
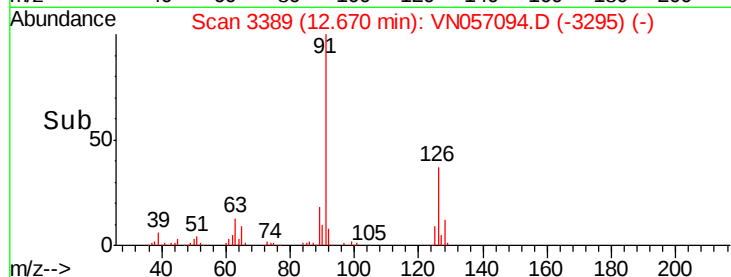
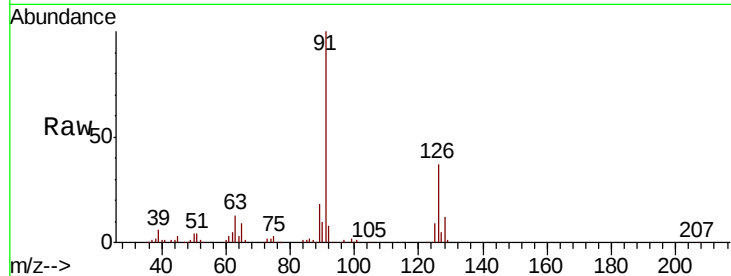
VN0806WBSD01

Tgt Ion: 91 Resp: 235983

Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.835 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN057094.D

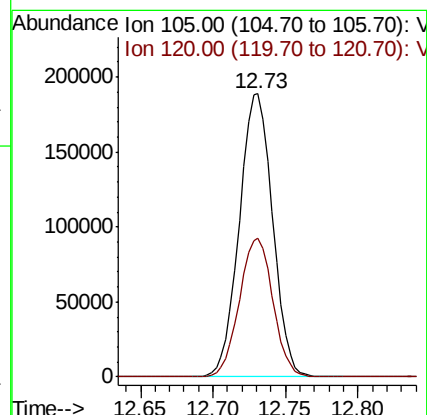
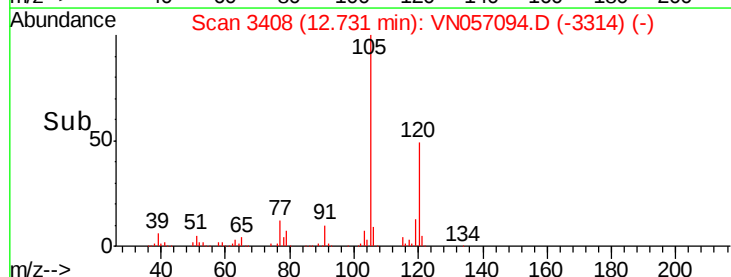
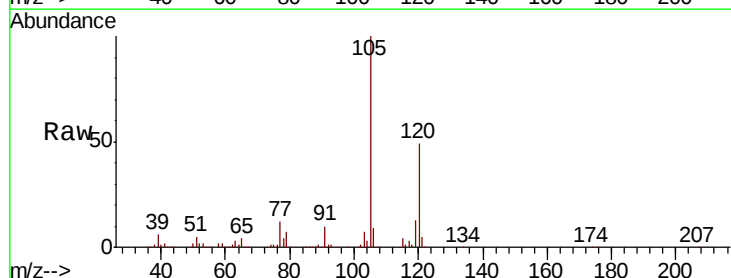
Acq: 6 Aug 2019 11:38

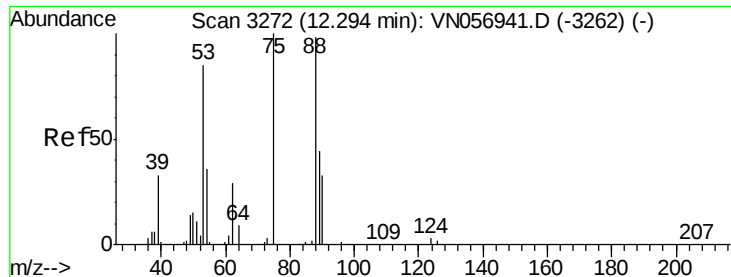
Tgt Ion: 105 Resp: 301488

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.728 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0806WBSD01

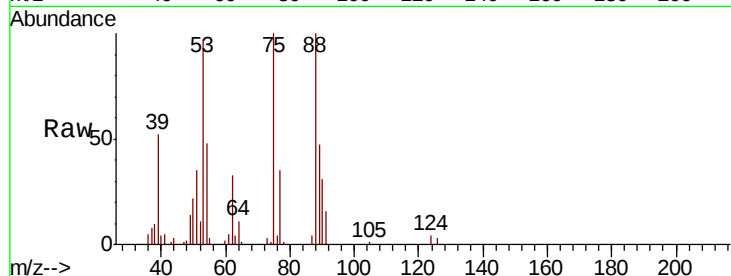
Tgt Ion: 75 Resp: 26721

Ion Ratio Lower Upper

75 100

53 96.3 69.3 103.9

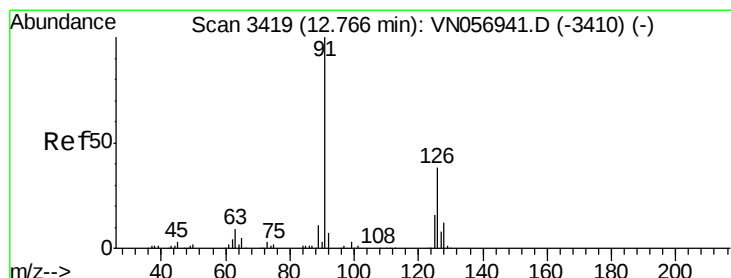
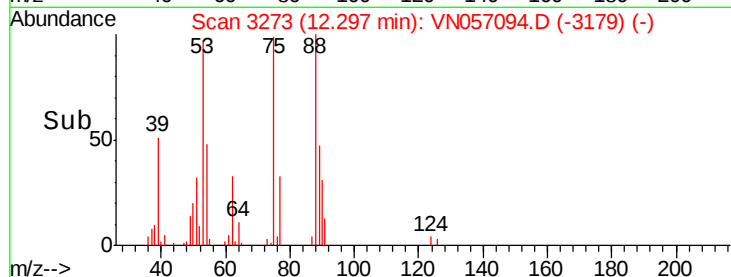
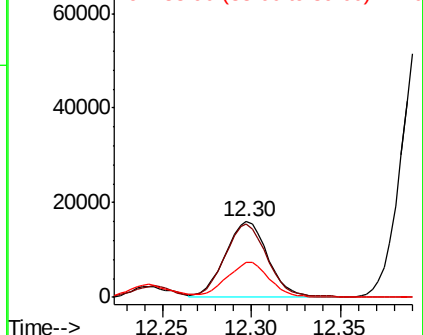
89 45.6 35.8 53.6



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: 19.029 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057094.D

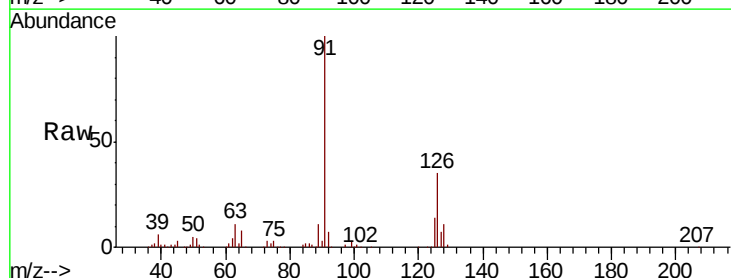
Acq: 6 Aug 2019 11:38

Tgt Ion: 91 Resp: 216828

Ion Ratio Lower Upper

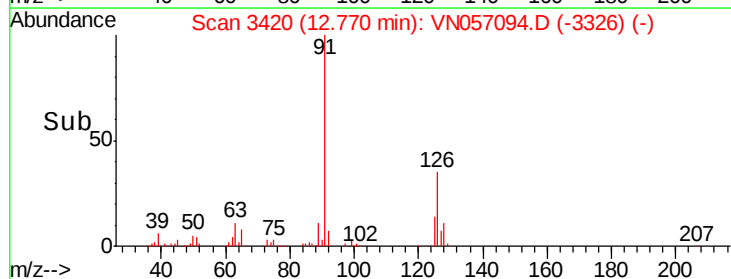
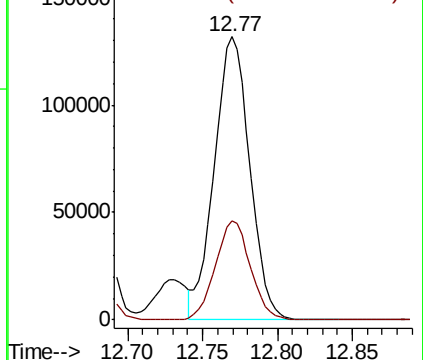
91 100

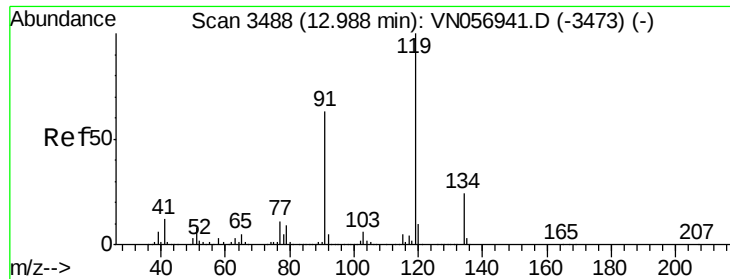
126 34.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

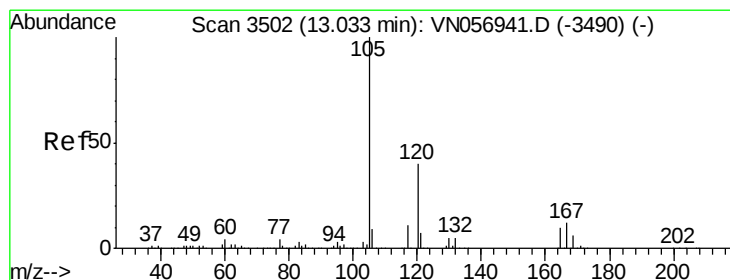
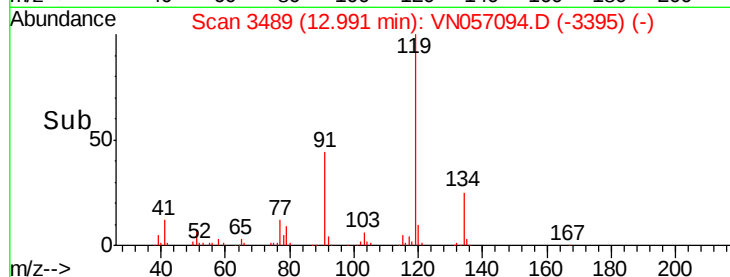
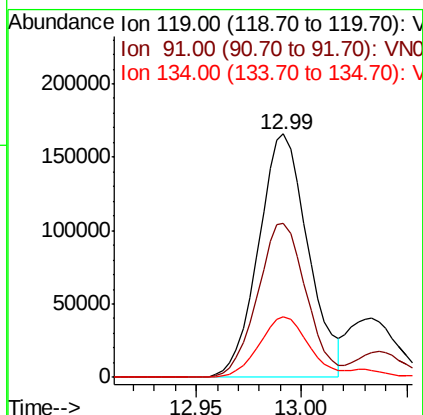
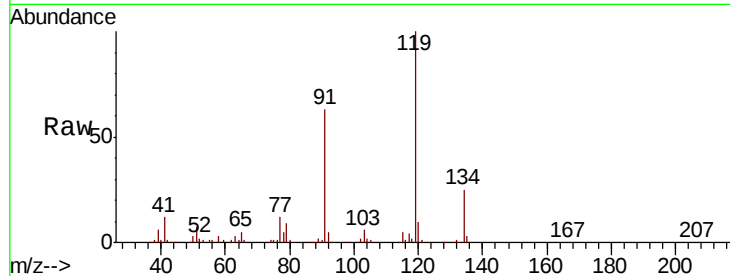




#83
 tert-Butylbenzene
 Concen: 20.148 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

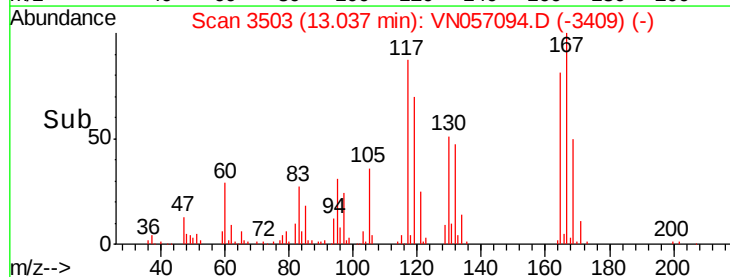
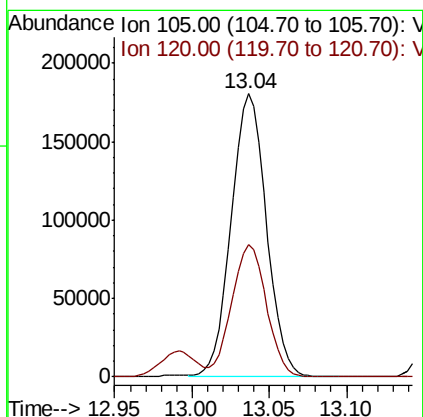
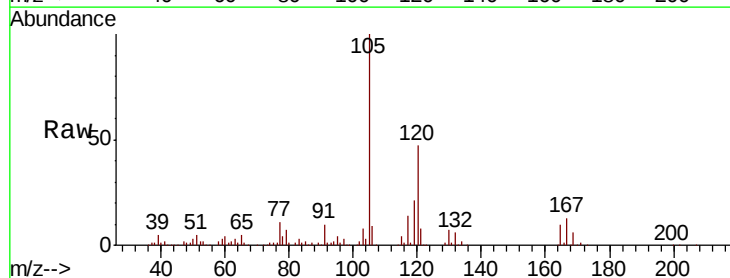
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

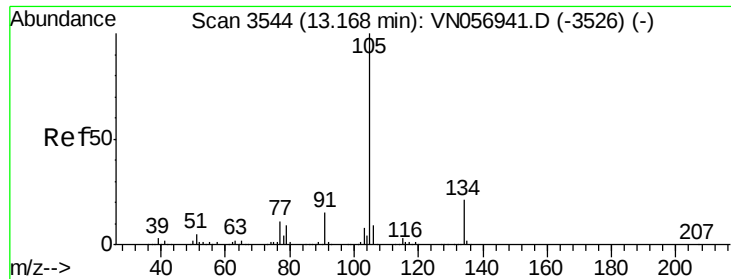
Tgt Ion:119 Resp: 271102
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.3 93.8
 134 24.8 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 19.497 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion:105 Resp: 285154
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.2 69.6

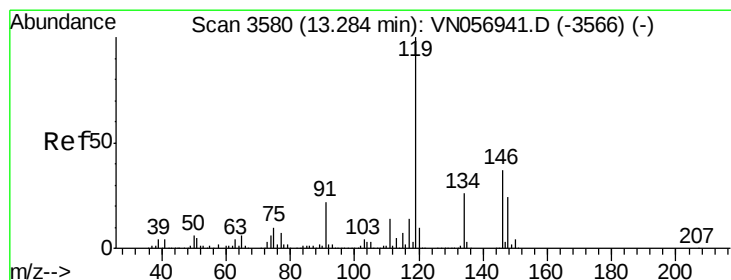
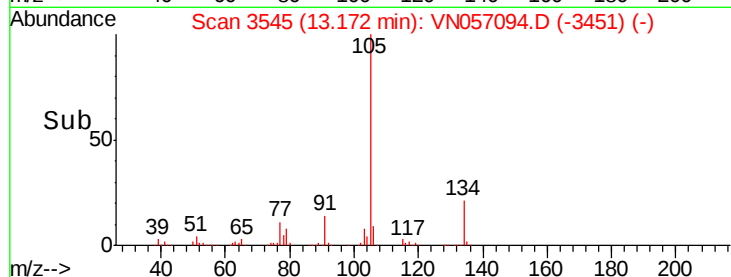
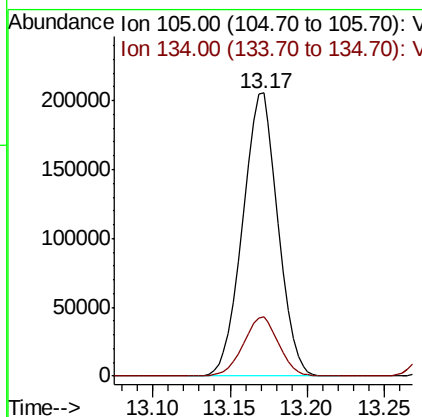
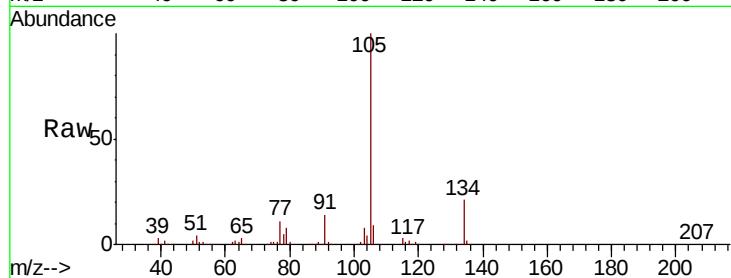




#85
 sec-Butylbenzene
 Concen: 18.805 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

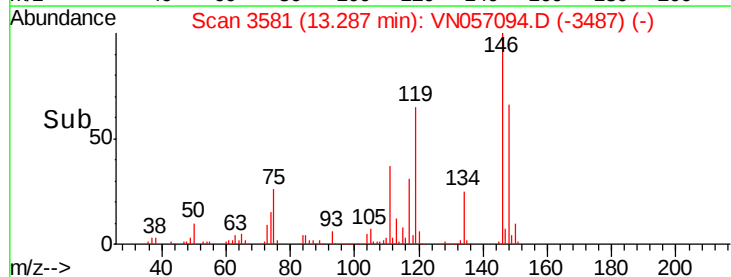
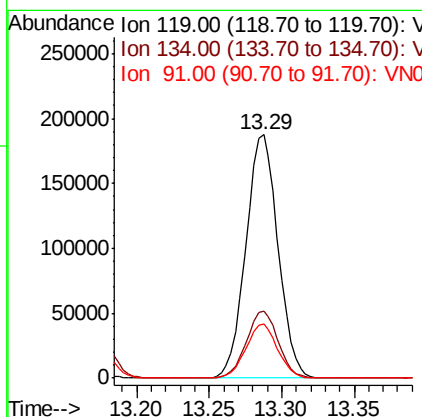
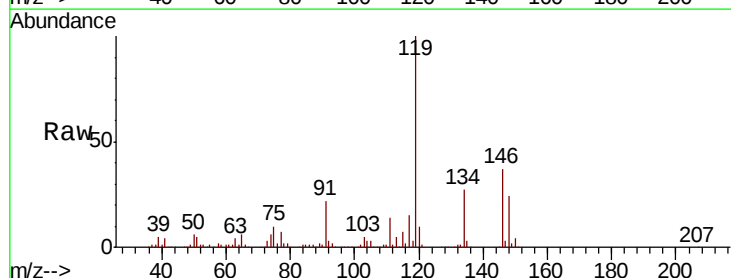
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

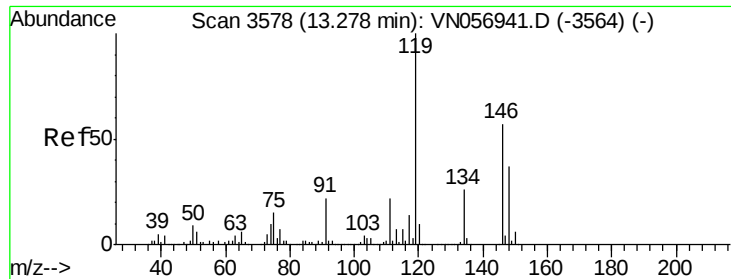
Tgt Ion:105 Resp: 326385
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 18.735 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion:119 Resp: 288694
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.4 40.1
 91 22.1 11.0 33.0

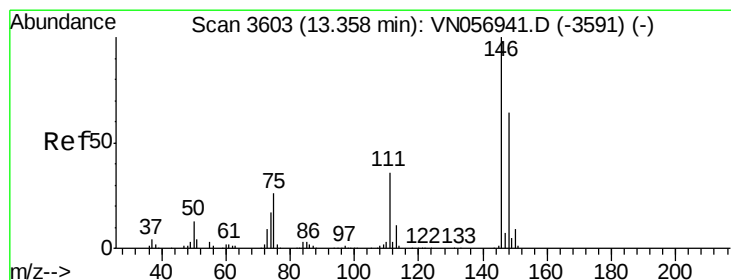
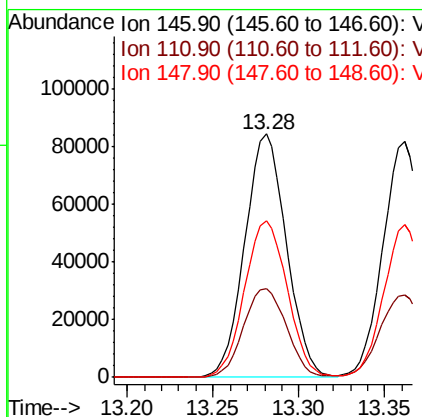
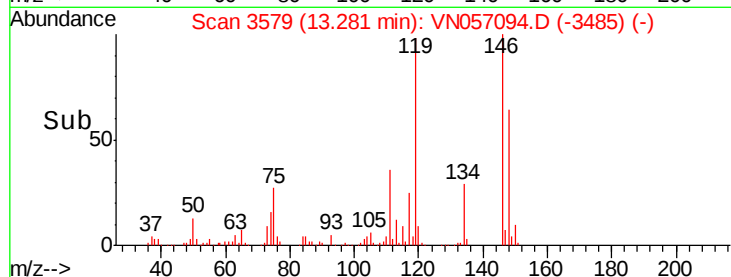
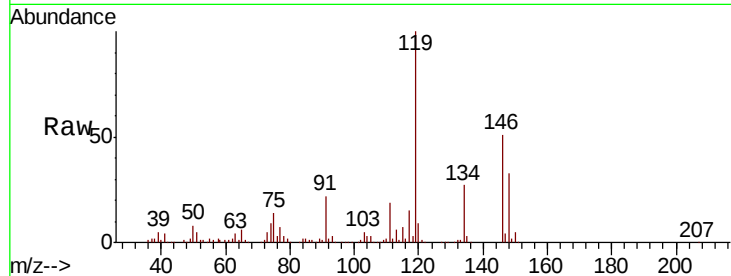




#87
 1,3-Dichlorobenzene
 Concen: 19.275 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

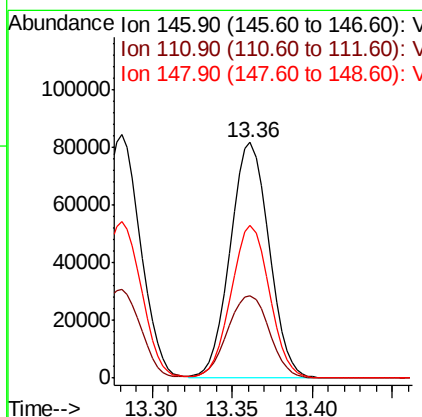
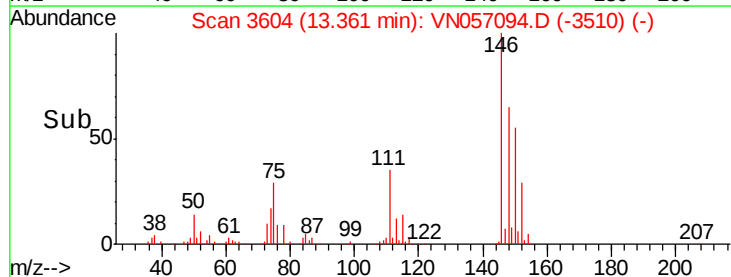
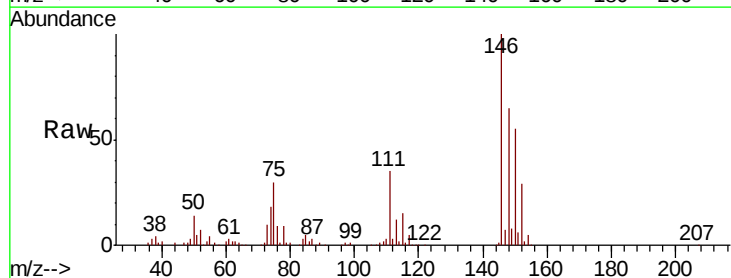
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

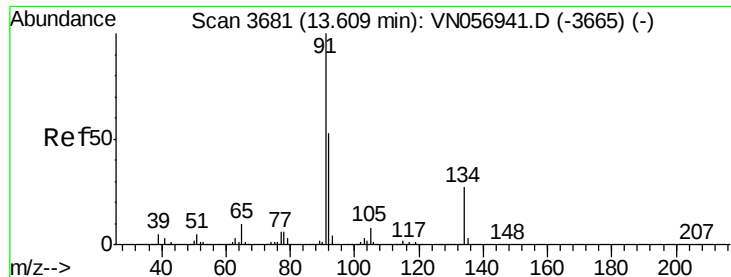
Tgt Ion:146 Resp: 141717
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 65.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion:146 Resp: 135540
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.4 55.2
 148 64.1 32.3 96.9





#89

n-Butylbenzene

Concen: 17.199 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057094.D

Acq: 6 Aug 2019 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0806WBSD01

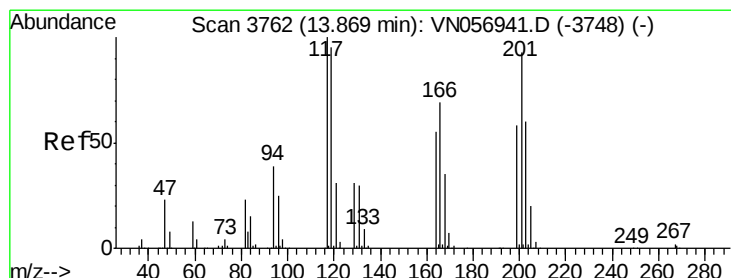
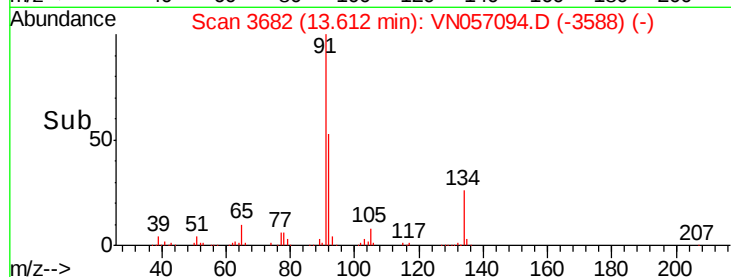
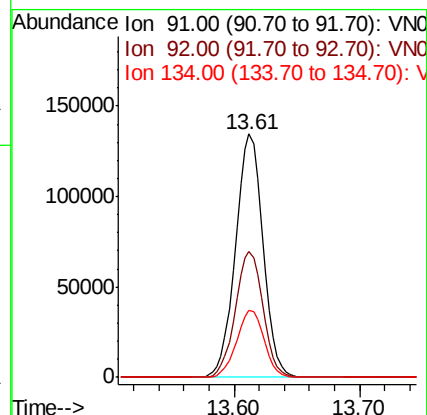
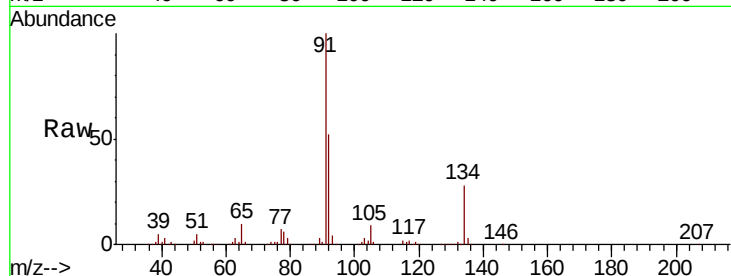
Tgt Ion: 91 Resp: 204251

Ion Ratio Lower Upper

91 100

92 52.1 26.2 78.5

134 27.7 13.5 40.4



#90

Hexachloroethane

Concen: 19.384 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057094.D

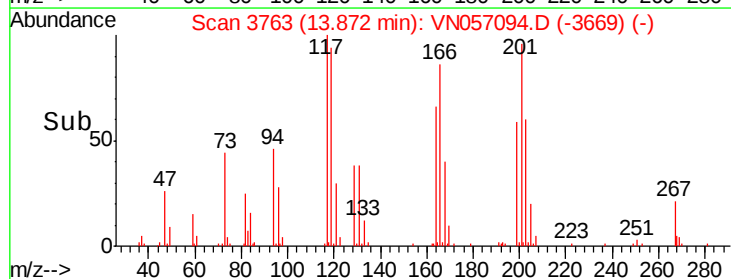
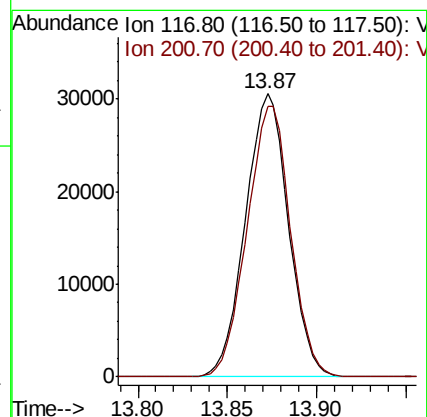
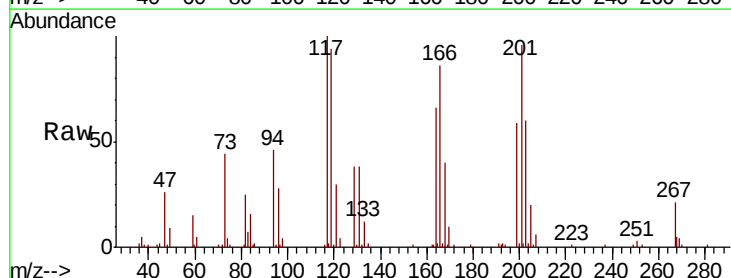
Acq: 6 Aug 2019 11:38

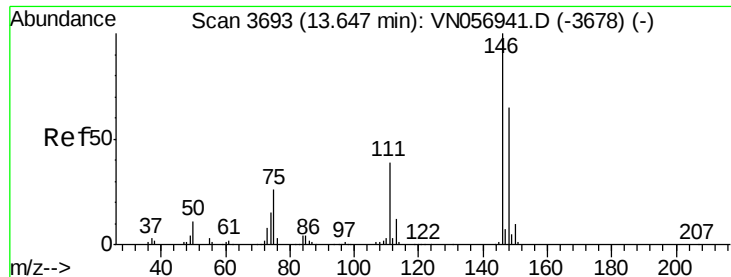
Tgt Ion: 117 Resp: 51432

Ion Ratio Lower Upper

117 100

201 96.6 47.0 141.2

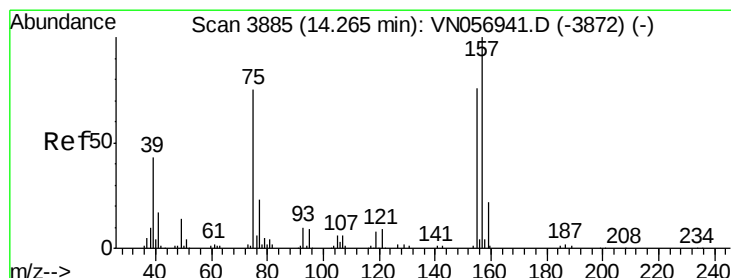
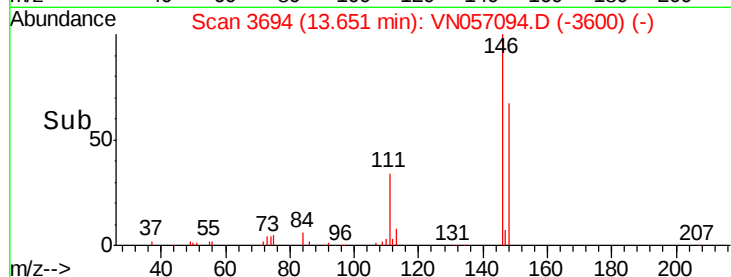
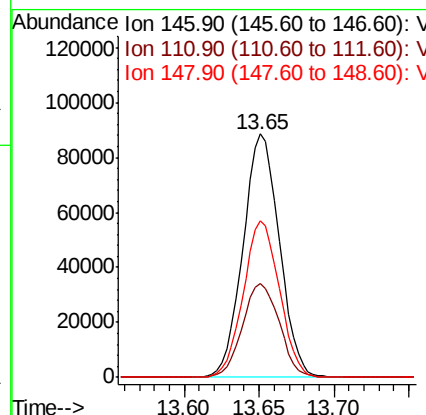
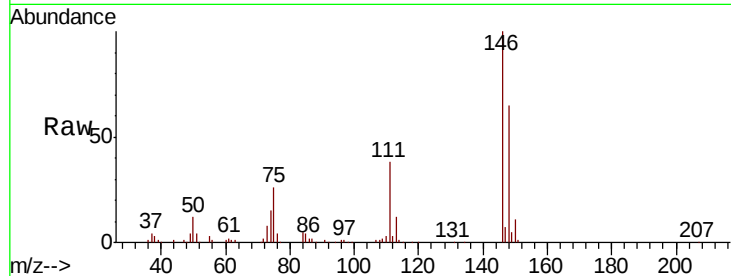




#91
 1,2-Dichlorobenzene
 Concen: 20.710 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

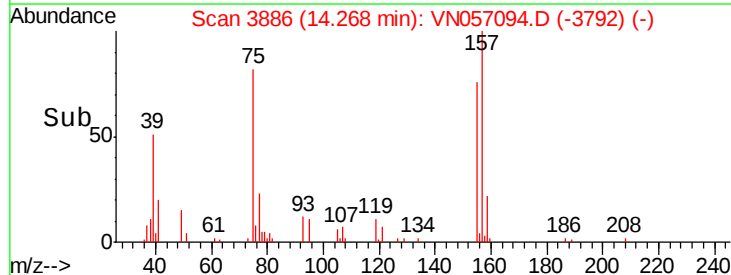
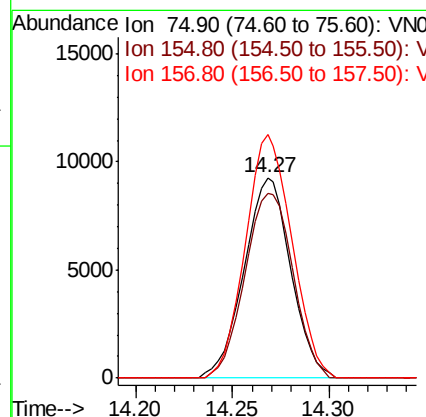
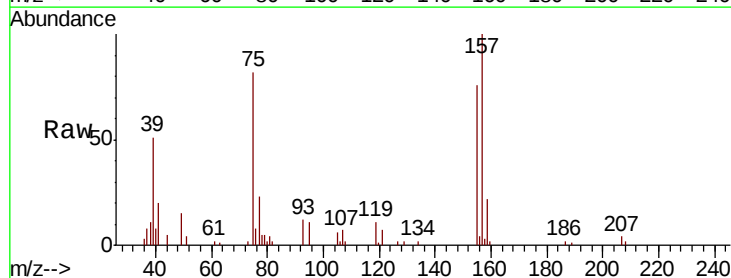
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

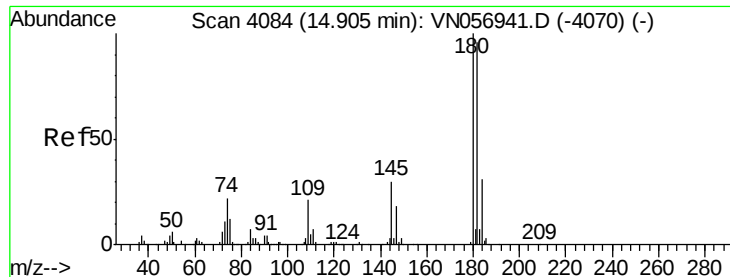
Tgt Ion: 146 Resp: 149860
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.4 58.4
 148 63.7 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.119 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion: 75 Resp: 15556
 Ion Ratio Lower Upper
 75 100
 155 95.0 50.2 150.6
 157 120.9 65.1 195.4

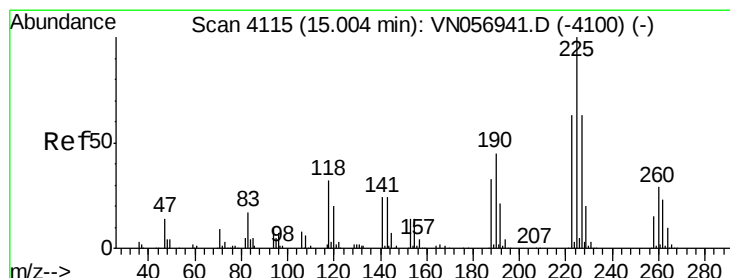
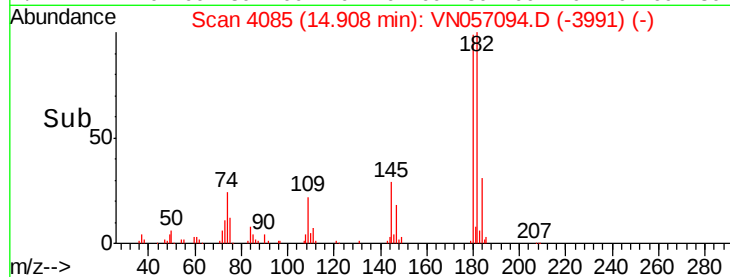
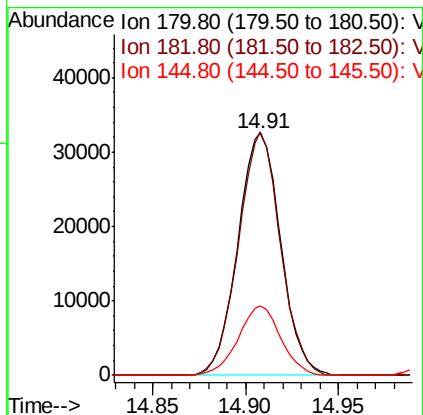
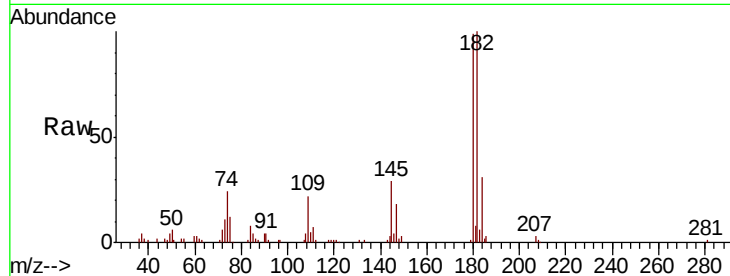




#93
 1,2,4-Trichlorobenzene
 Concen: 15.946 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

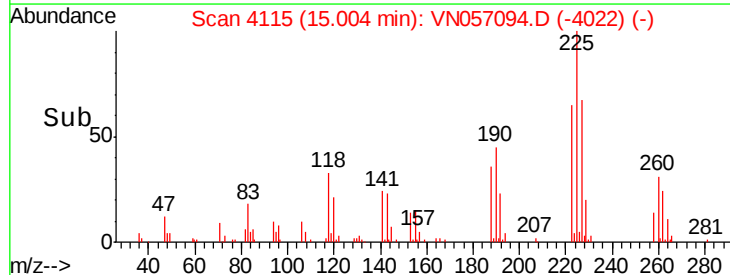
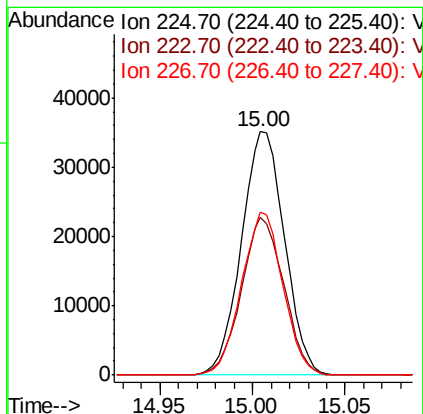
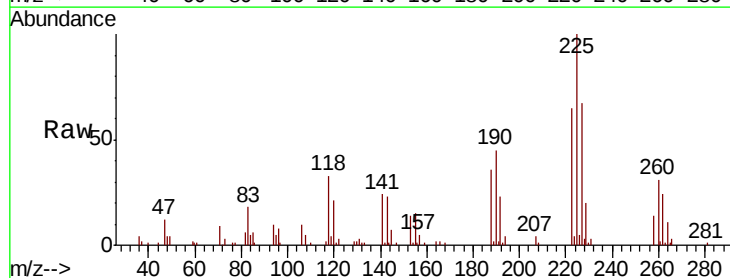
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0806WBSD01

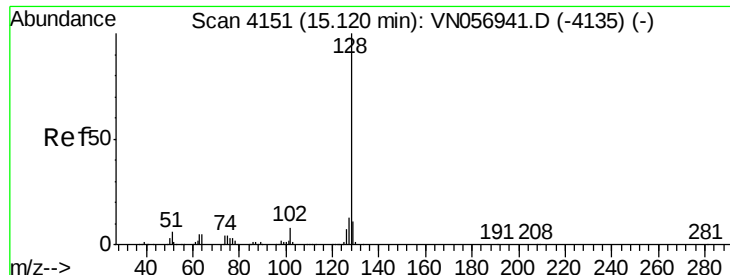
Tgt Ion:180 Resp: 52235
 Ion Ratio Lower Upper
 180 100
 182 98.1 47.6 142.8
 145 28.5 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 20.439 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN057094.D
 Acq: 6 Aug 2019 11:38

Tgt Ion:225 Resp: 56624
 Ion Ratio Lower Upper
 225 100
 223 63.4 30.8 92.4
 227 64.1 31.1 93.5

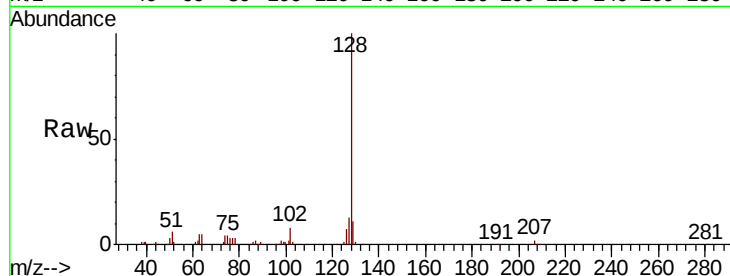




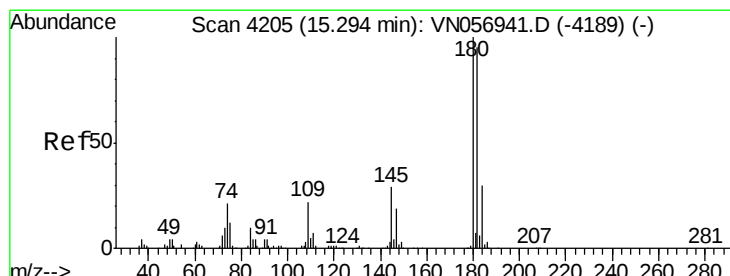
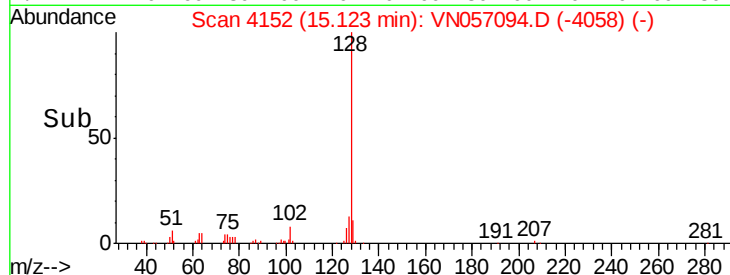
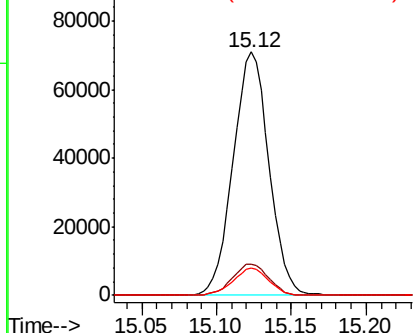
#95
Naphthalene
Concen: 15.660 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0806WBSD01

Tgt Ion:128 Resp: 118409
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.9 8.7 13.1

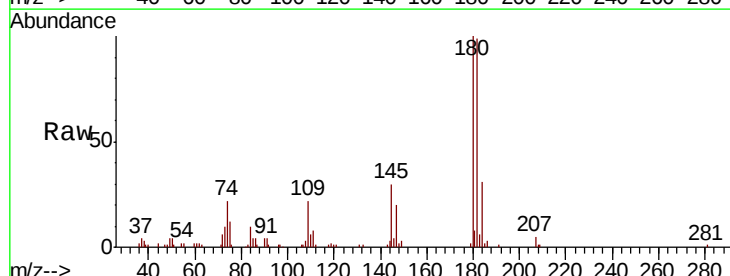


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.193 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057094.D
Acq: 6 Aug 2019 11:38

Tgt Ion:180 Resp: 59566
Ion Ratio Lower Upper
180 100
182 98.4 48.0 144.2
145 30.7 15.0 45.0



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

