

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058214.D
 Acq On : 19 Sep 2019 19:16
 Operator : JC/SP
 Sample : VN0919WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 04:24:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348925	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	350278	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	7.57	113	250980	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	10.08	98	1004149	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.40	95	360618	51.48	ug/l	0.00
Spiked Amount			Recovery	=	102.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	74246	19.222	ug/l	97
3) Chloromethane	2.04	50	63278	20.647	ug/l	100
4) Vinyl Chloride	2.17	62	68918	20.636	ug/l	95
5) Bromomethane	2.54	94	33782	20.041	ug/l	99
6) Chloroethane	2.68	64	44932	20.512	ug/l	99
7) Trichlorofluoromethane	3.00	101	100752	19.110	ug/l	100
8) Diethyl Ether	3.39	74	47566	19.691	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72936	19.188	ug/l	98
10) Methyl Iodide	3.93	142	58221	18.279	ug/l	99
11) Tert butyl alcohol	4.75	59	74292	95.369	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59466	20.404	ug/l	93
13) Acrolein	3.59	56	23653	204.886	ug/l	96
14) Allyl chloride	4.30	41	118681	19.081	ug/l	97
15) Acrylonitrile	4.96	53	222761	107.330	ug/l	99
16) Acetone	3.80	43	184013	82.779	ug/l	97
17) Carbon Disulfide	4.03	76	70298	17.490	ug/l	96
18) Methyl Acetate	4.30	43	123329	21.084	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	297899	20.779	ug/l	98
20) Methylene Chloride	4.53	84	85038	21.725	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	62418	19.612	ug/l	99
22) Diisopropyl ether	5.93	45	322349	20.402	ug/l	95
23) Vinyl Acetate	5.87	43	1128530	104.385	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169688	20.123	ug/l	99
25) 2-Butanone	6.81	43	296071	97.762	ug/l	100
26) 2,2-Dichloropropane	6.80	77	125426	17.532	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94063	19.727	ug/l	98
28) Bromochloromethane	7.17	49	89863	22.527	ug/l	99
29) Tetrahydrofuran	7.19	42	189597	101.635	ug/l	99
30) Chloroform	7.36	83	180917	19.931	ug/l	98
31) Cyclohexane	7.64	56	112327	19.116	ug/l	# 93
32) 1,1,1-Trichloroethane	7.55	97	137812	19.943	ug/l	98
36) 1,1-Dichloropropene	7.78	75	102893	17.919	ug/l	99
37) Ethyl Acetate	6.91	43	120902	20.289	ug/l	99
38) Carbon Tetrachloride	7.76	117	108367	18.774	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	105770	19.095	ug/l	98
40) Benzene	8.03	78	343583	19.590	ug/l	100
41) Methacrylonitrile	7.15	41	57939	19.859	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	145190	19.729	ug/l	100
43) Isopropyl Acetate	8.15	43	228322	20.515	ug/l	98
44) Trichloroethene	8.82	130	83462	19.446	ug/l	99
45) 1,2-Dichloropropane	9.11	63	106675	20.367	ug/l	100
46) Dibromomethane	9.20	93	64426	20.232	ug/l	96
47) Bromodichloromethane	9.39	83	132753	19.899	ug/l	100
48) Methyl methacrylate	9.19	41	103818	20.545	ug/l	98
49) 1,4-Dioxane	9.19	88	29542	356.086	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	670330	113.397	ug/l	98
52) Toluene	10.15	92	213718	19.444	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	130658	19.120	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	147102	19.497	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	103324	21.183	ug/l	97
56) Ethyl methacrylate	10.43	69	146160	20.768	ug/l	100
57) 1,3-Dichloropropane	10.71	76	168421	20.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	395993	118.126	ug/l	100
59) 2-Hexanone	10.75	43	469621	106.968	ug/l	99
60) Dibromochloromethane	10.90	129	93735	19.975	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91946	20.340	ug/l	98
64) Tetrachloroethene	10.63	164	69492	19.588	ug/l	99
65) Chlorobenzene	11.43	112	253604	19.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	92547	19.939	ug/l	99
67) Ethyl Benzene	11.51	91	443389	20.215	ug/l	98
68) m/p-Xylenes	11.62	106	322515	39.041	ug/l	96
69) o-Xylene	11.95	106	161512	19.884	ug/l	98
70) Styrene	11.97	104	284317	20.315	ug/l	99
71) Bromoform	12.13	173	56626	18.867	ug/l #	100
73) Isopropylbenzene	12.25	105	457336	20.940	ug/l	99
74) N-amyl acetate	12.07	43	193081	21.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151697	20.741	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	180248	28.864	ug/l #	100
77) Bromobenzene	12.53	156	107398	19.549	ug/l	96
78) n-propylbenzene	12.60	91	535956	21.595	ug/l	99
79) 2-Chlorotoluene	12.68	91	324253	20.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	395543	21.417	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	33161	19.758	ug/l	94
82) 4-Chlorotoluene	12.78	91	334485	20.515	ug/l	100
83) tert-Butylbenzene	13.00	119	341292	20.722	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	390741	21.260	ug/l	99
85) sec-Butylbenzene	13.18	105	462827	21.490	ug/l	100
86) p-Isopropyltoluene	13.29	119	410073	21.417	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	203955	20.326	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	204739	19.986	ug/l	99
89) n-Butylbenzene	13.62	91	374067	20.607	ug/l	99
90) Hexachloroethane	13.88	117	58230	19.187	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	209161	20.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25372	19.269	ug/l	98

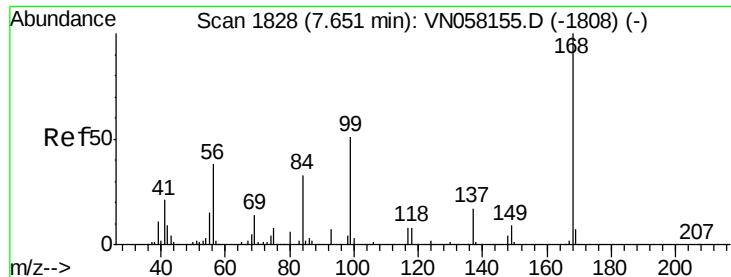
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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	125935	19.582	ug/l	100
94) Hexachlorobutadiene	15.02	225	62065	19.967	ug/l	98
95) Naphthalene	15.13	128	339516	20.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	118965	19.571	ug/l	99

(#) = 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: VN058214.D

Acq: 19 Sep 2019 19:16

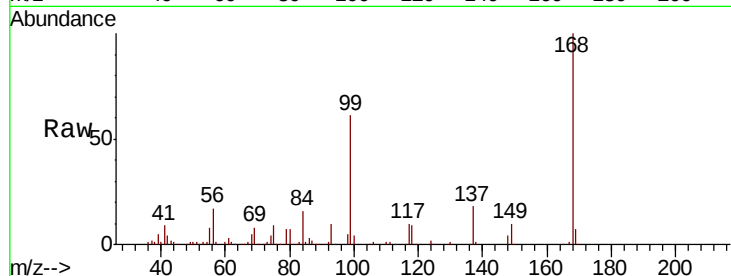
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 470190

Ion Ratio Lower Upper

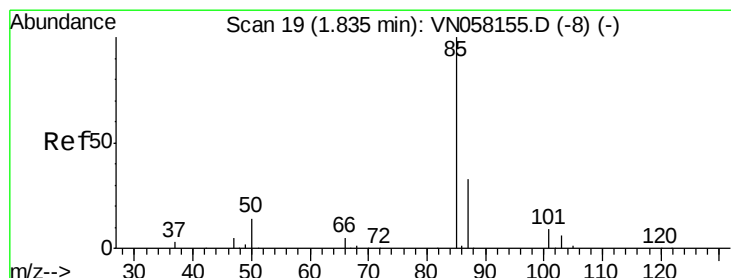
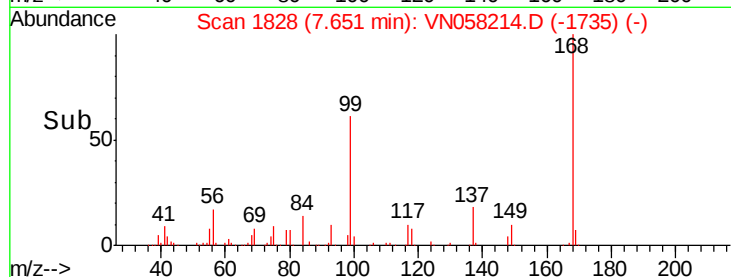
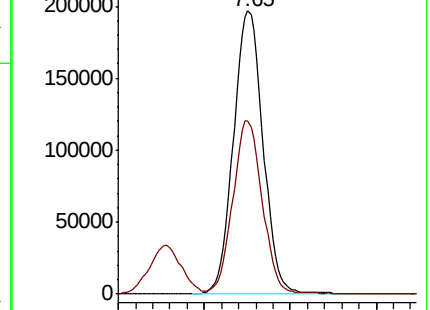
168 100

99 60.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.222 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058214.D

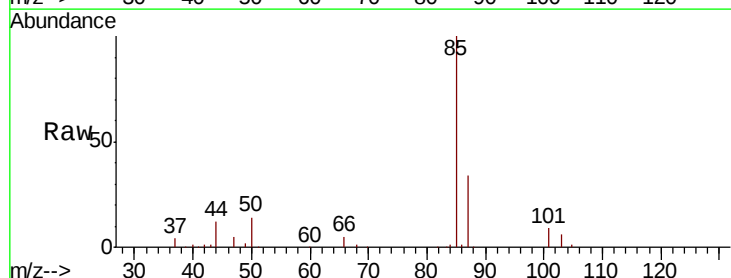
Acq: 19 Sep 2019 19:16

Tgt Ion: 85 Resp: 74246

Ion Ratio Lower Upper

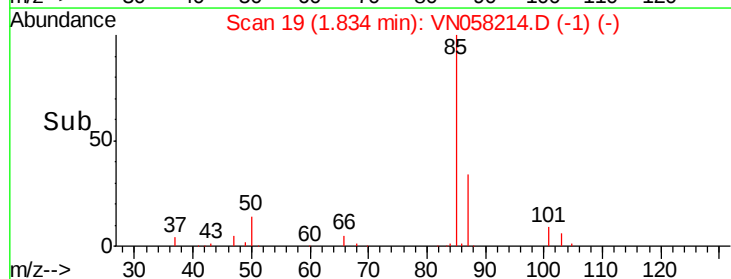
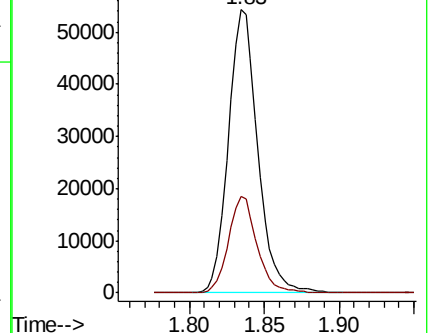
85 100

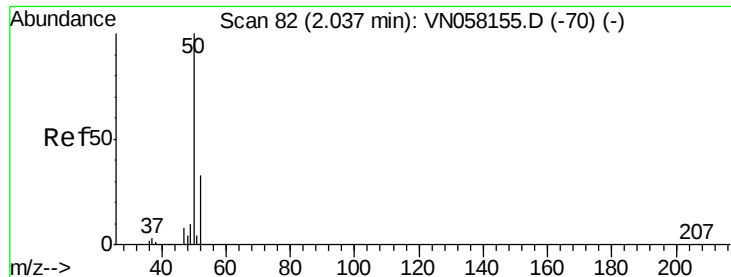
87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.647 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

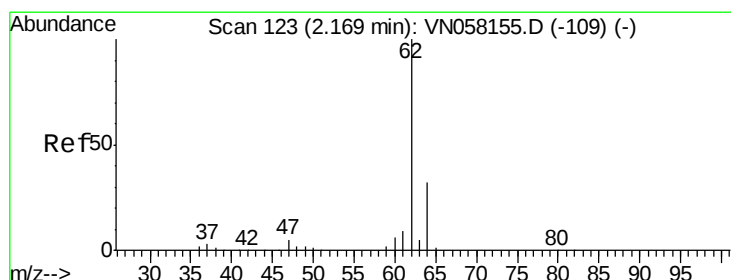
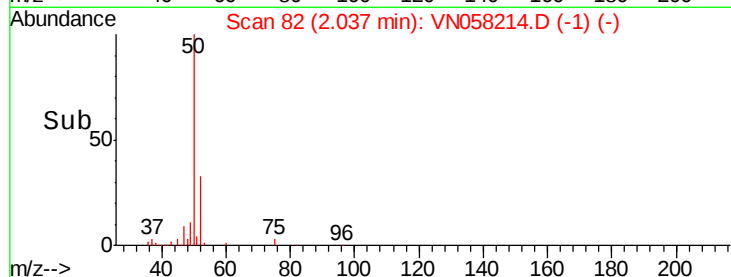
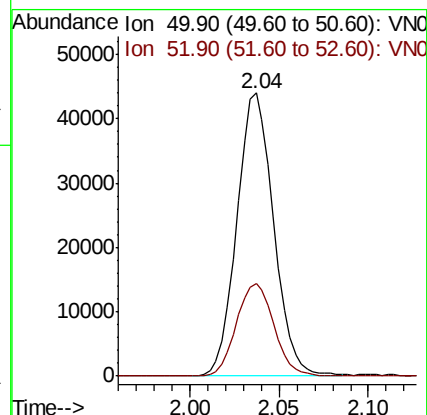
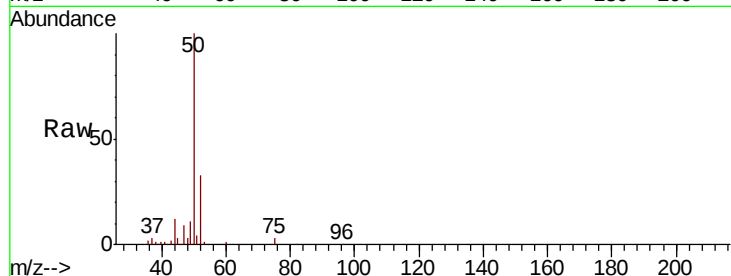
ClientSampleId :

Tot Ion: 50 Resp: 63278

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 20.636 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058214.D

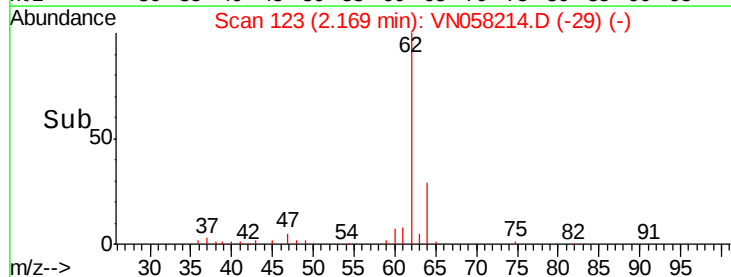
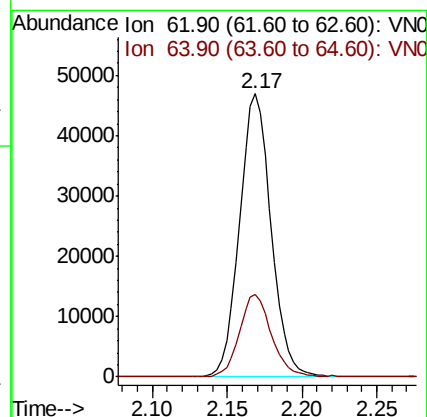
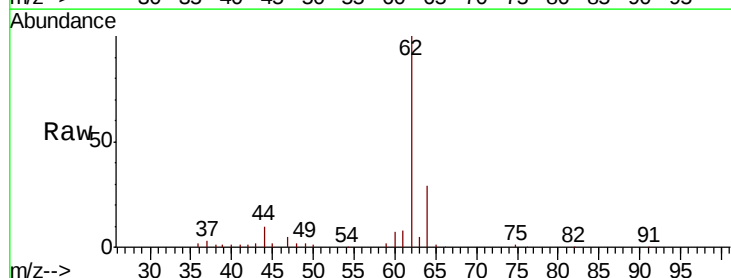
Acq: 19 Sep 2019 19:16

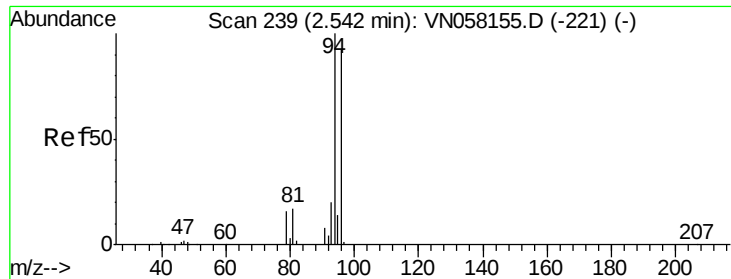
Tgt Ion: 62 Resp: 68918

Ion Ratio Lower Upper

62 100

64 28.9 25.4 38.2





#5

Bromomethane

Concen: 20.041 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

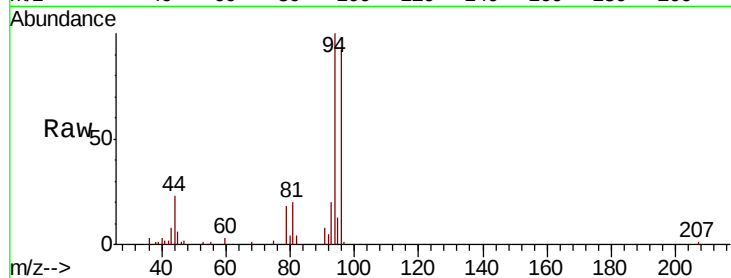
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 33782

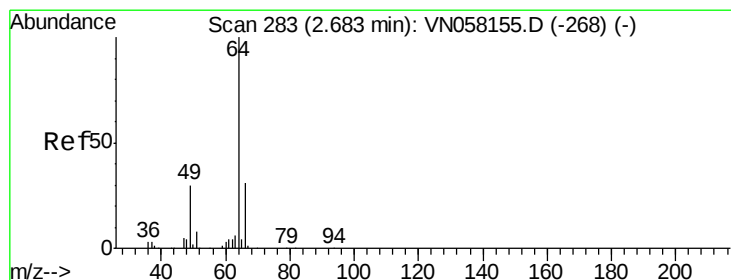
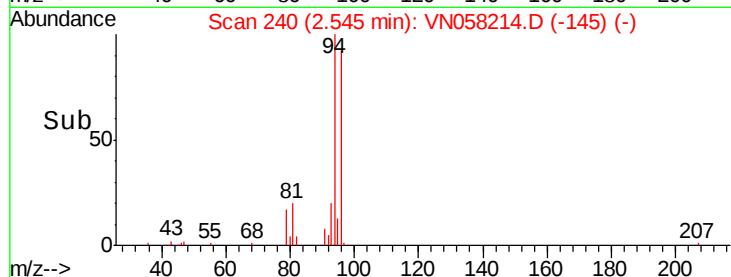
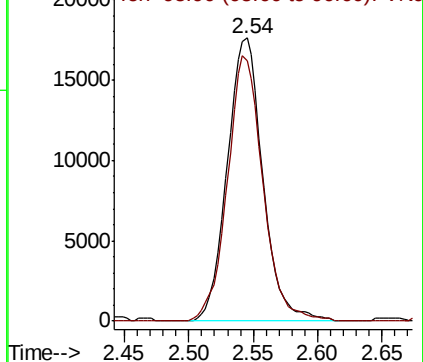
Ion Ratio Lower Upper

94 100

96 92.2 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.512 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058214.D

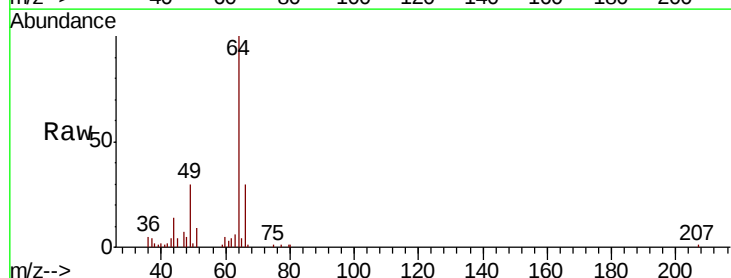
Acq: 19 Sep 2019 19:16

Tgt Ion: 64 Resp: 44932

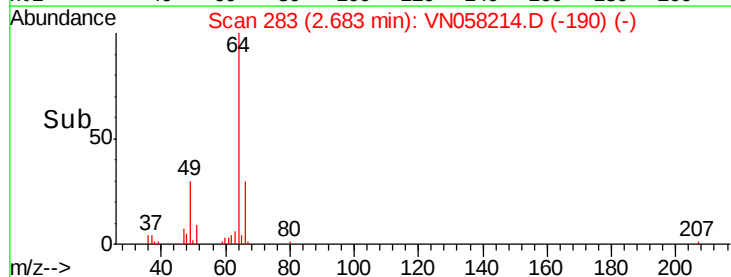
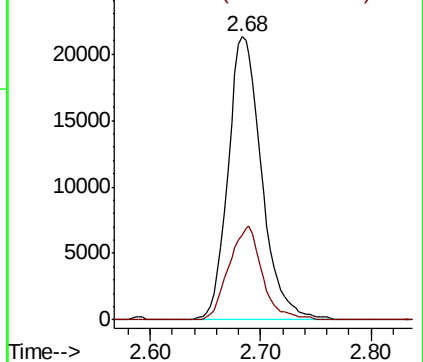
Ion Ratio Lower Upper

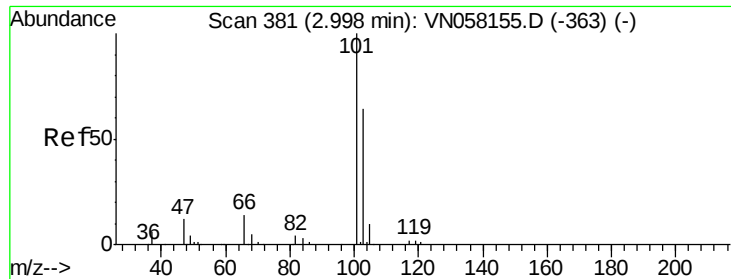
64 100

66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



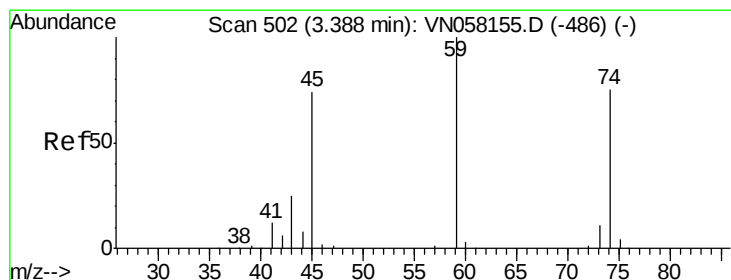
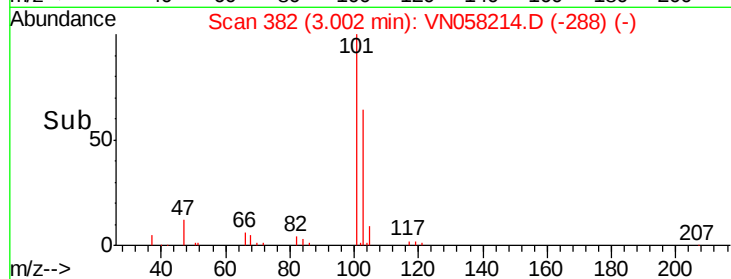
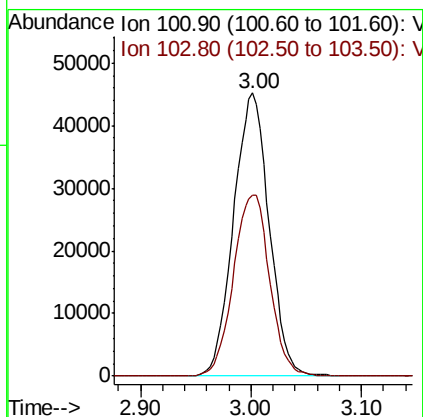
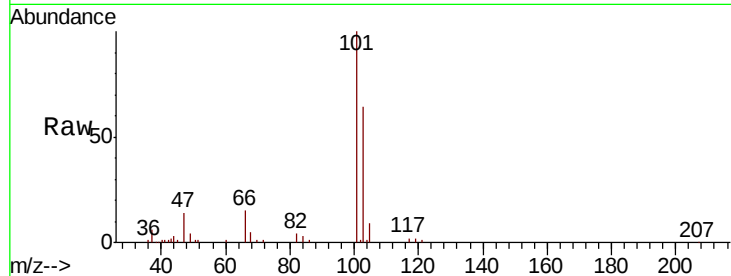


#7

Trichlorofluoromethane
Concen: 19.110 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampled :

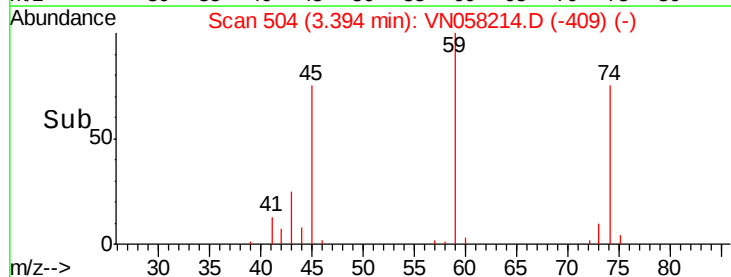
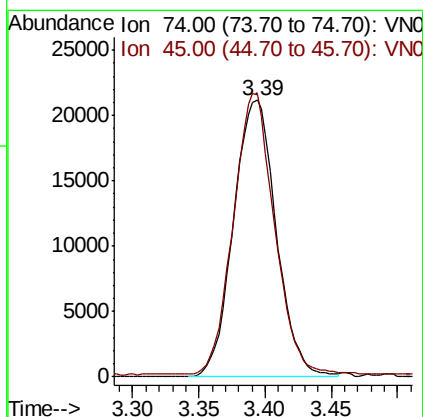
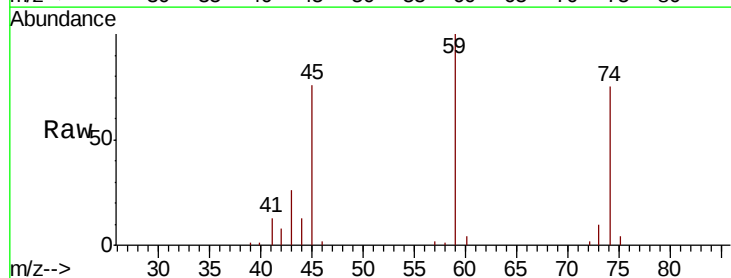
Tot Ion:101 Resp: 100752
Ion Ratio Lower Upper
101 100
103 64.1 51.0 76.6



#8

Diethyl Ether
Concen: 19.691 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 74 Resp: 47566
Ion Ratio Lower Upper
74 100
45 97.2 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.188 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

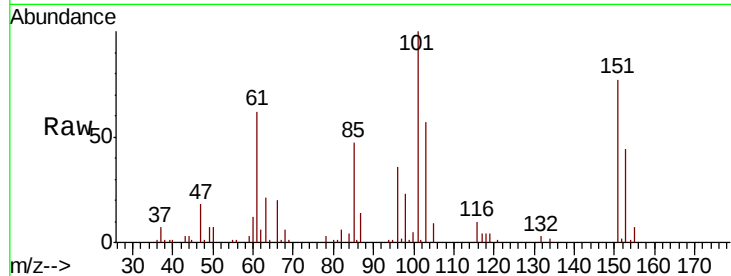
Tot Ion:101 Resp: 72936

Ion Ratio Lower Upper

101 100

85 47.2 37.3 55.9

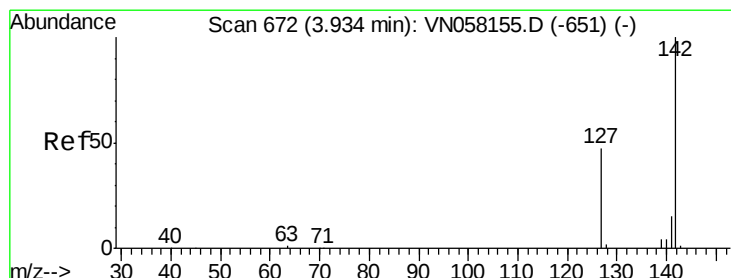
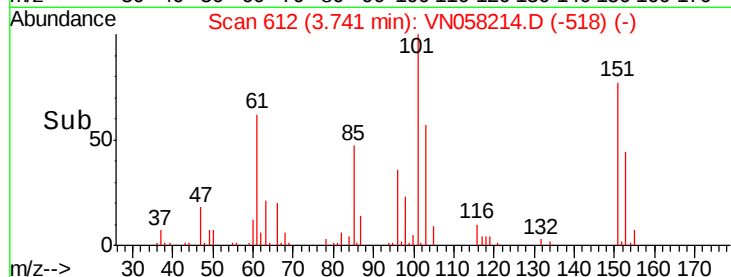
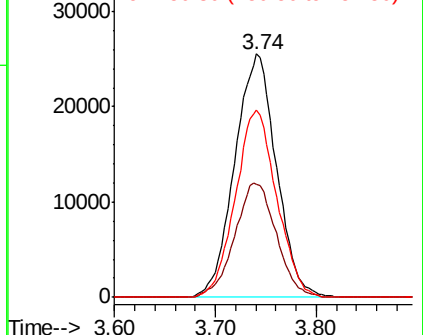
151 76.3 59.6 89.4



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: 18.279 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

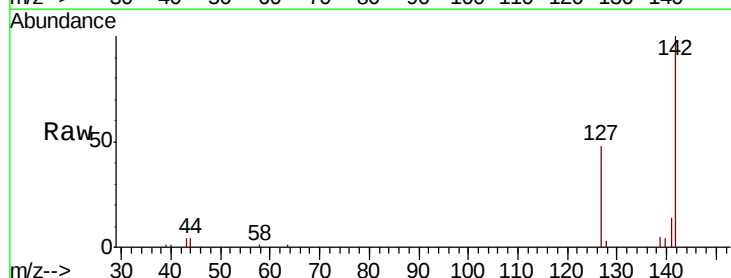
Tgt Ion:142 Resp: 58221

Ion Ratio Lower Upper

142 100

127 45.8 37.5 56.3

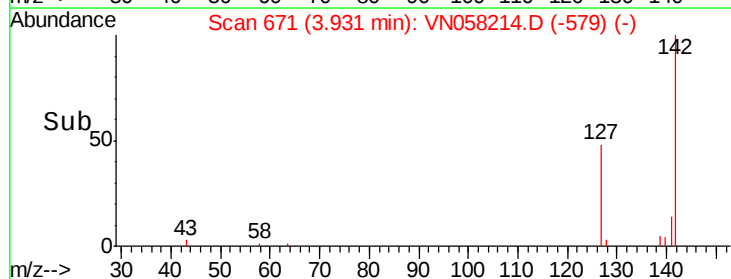
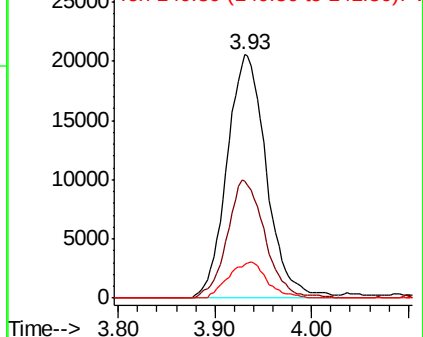
141 14.5 11.4 17.2

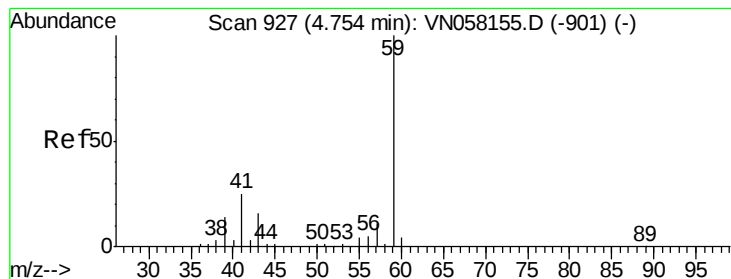


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



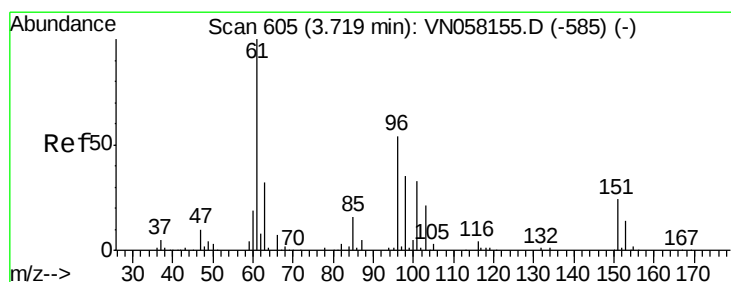
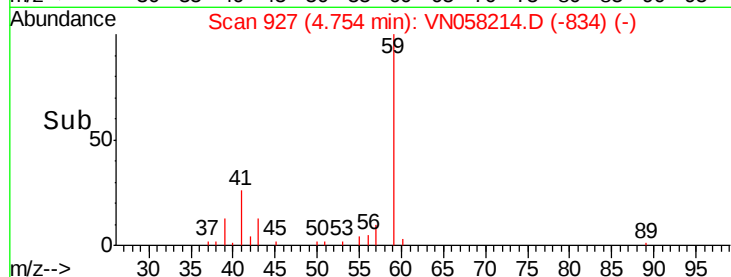
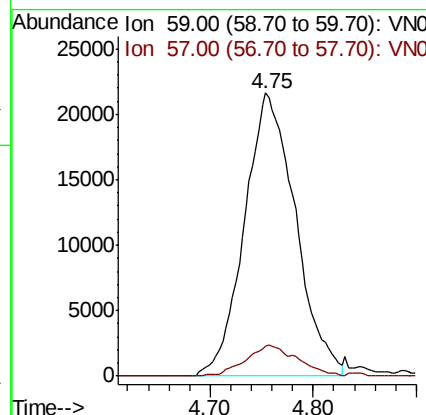
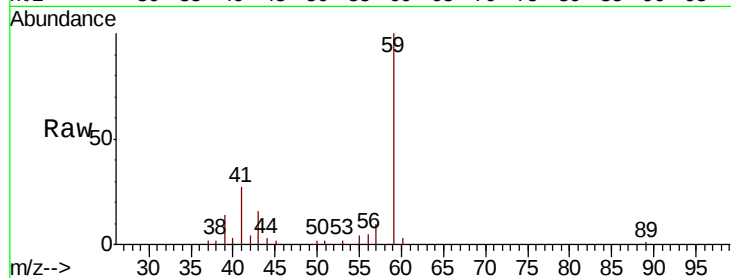


#11

Tert butyl alcohol
 Concen: 95.369 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampled :

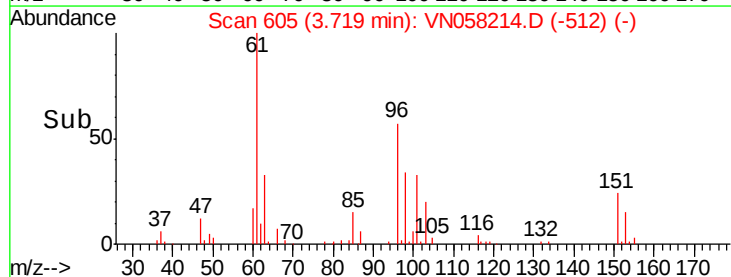
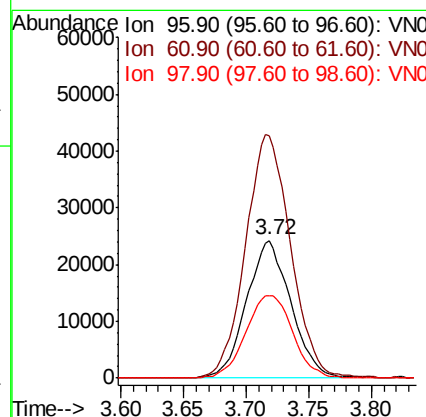
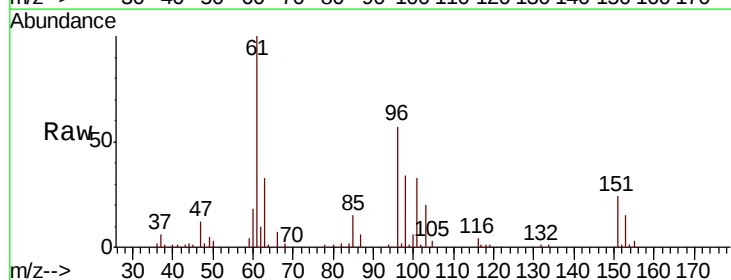
Tot Ion: 59 Resp: 74292
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 13.0

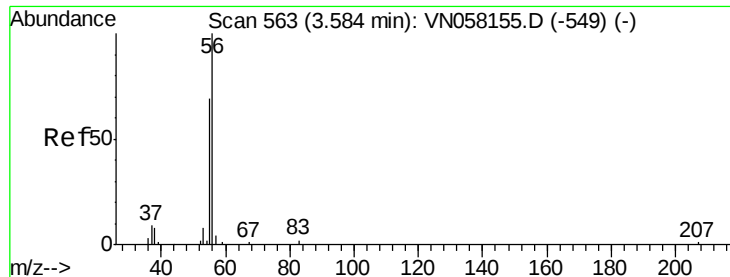


#12

1,1-Dichloroethene
 Concen: 20.404 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 96 Resp: 59466
 Ion Ratio Lower Upper
 96 100
 61 176.4 149.5 224.3
 98 60.1 52.4 78.6





#13

Acrolein

Concen: 204.886 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

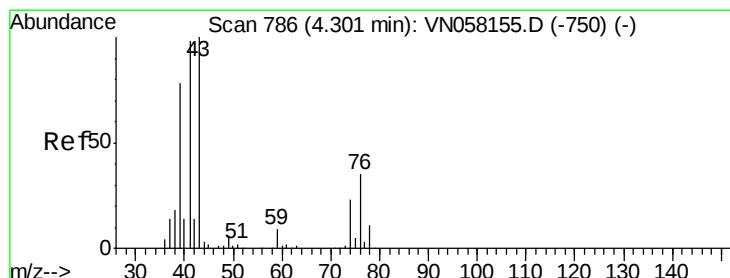
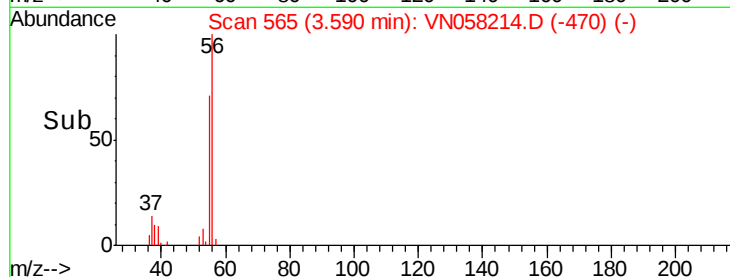
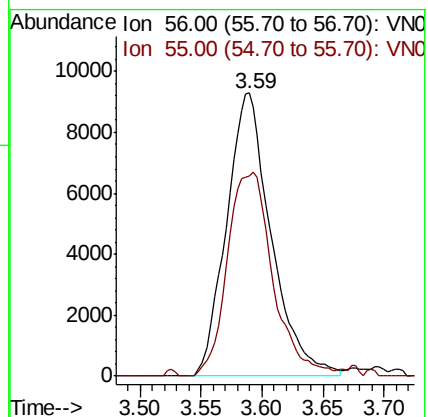
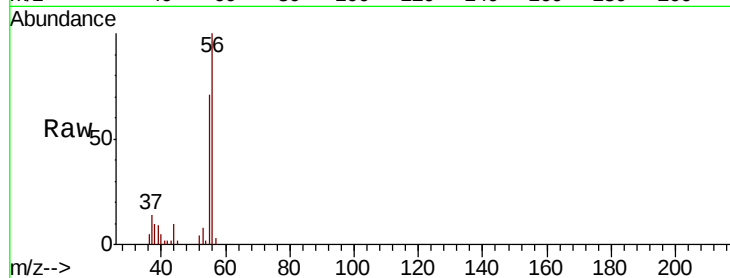
ClientSampleId :

Tot Ion: 56 Resp: 23653

Ion Ratio Lower Upper

56 100

55 73.2 56.1 84.1



#14

Allyl chloride

Concen: 19.081 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

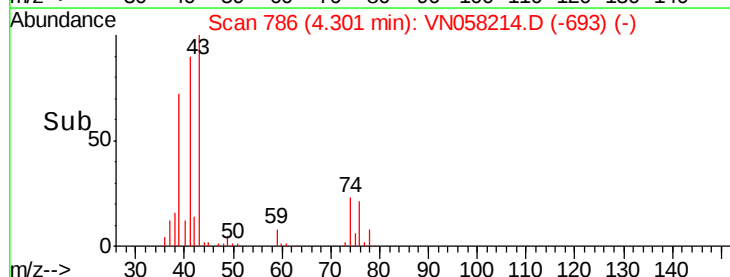
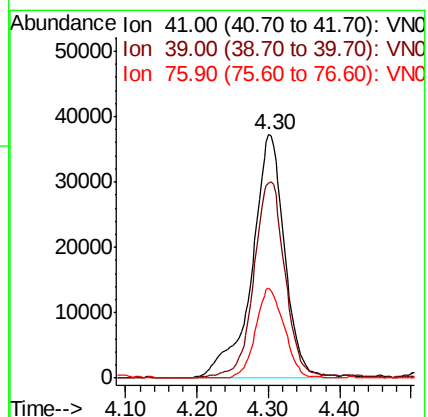
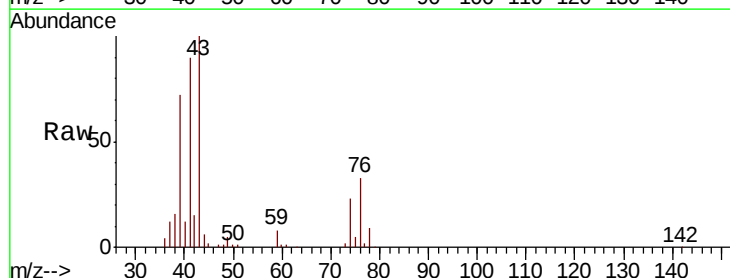
Tgt Ion: 41 Resp: 118681

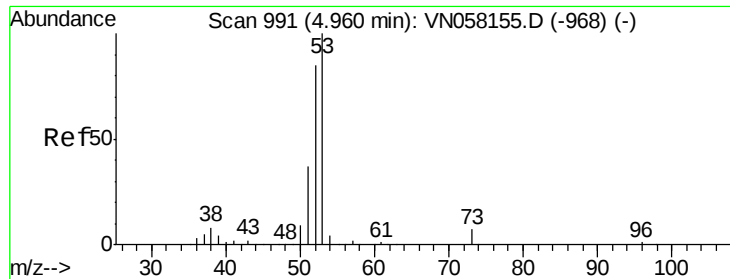
Ion Ratio Lower Upper

41 100

39 77.0 59.1 88.7

76 31.8 25.1 37.7





#15

Acrylonitrile

Concen: 107.330 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

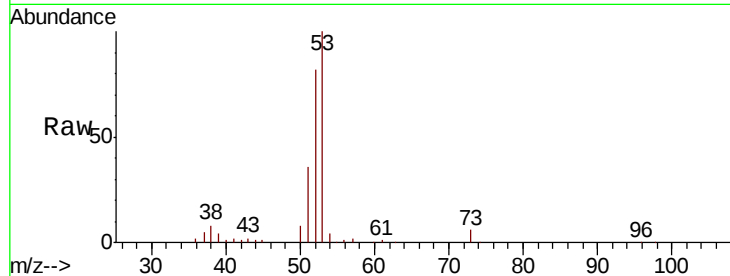
Tot Ion: 53 Resp: 222761

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 36.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN058214.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN058214.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN058214.D (-968) (-)

4.96

80000

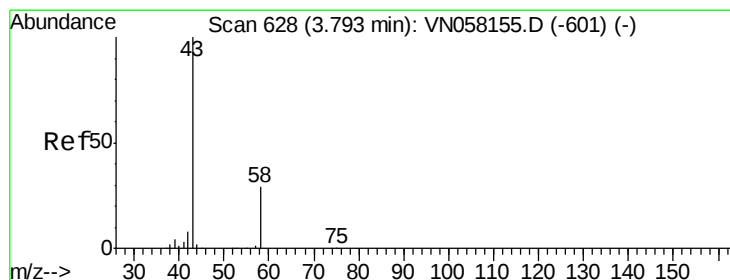
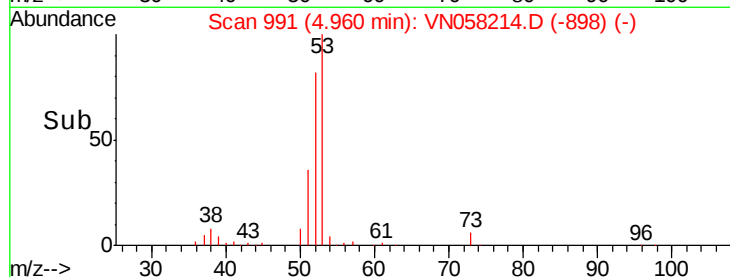
60000

40000

20000

0

Time--> 4.80 4.90 5.00 5.10



#16

Acetone

Concen: 82.779 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058214.D

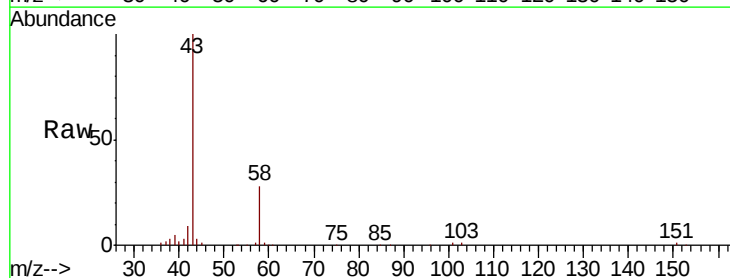
Acq: 19 Sep 2019 19:16

Tgt Ion: 43 Resp: 184013

Ion Ratio Lower Upper

43 100

58 27.8 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN058214.D (-535) (-)

Ion 58.00 (57.70 to 58.70): VN058214.D (-535) (-)

80000

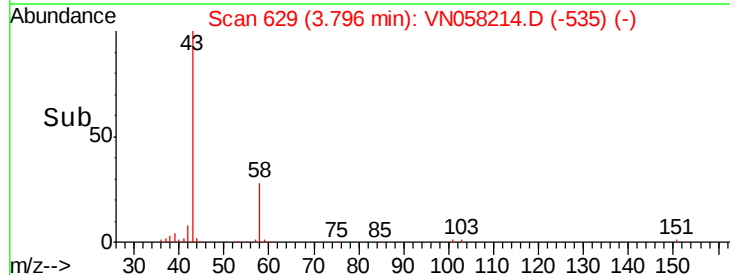
60000

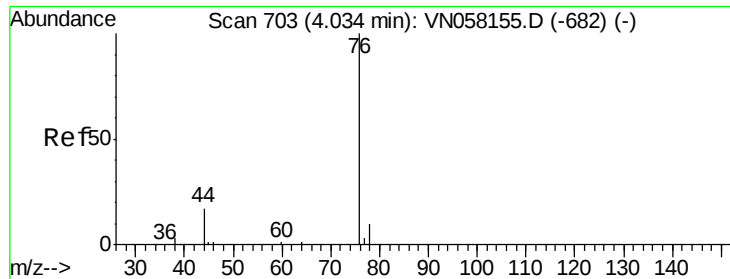
40000

20000

0

Time--> 3.60 3.70 3.80 3.90

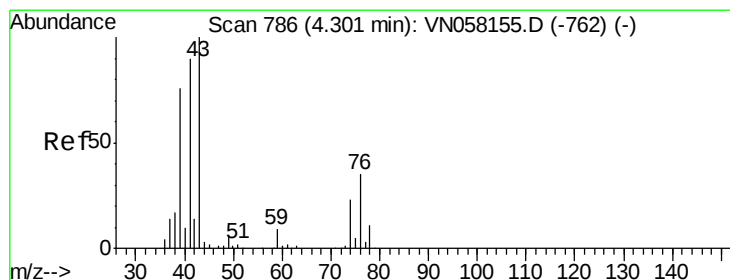
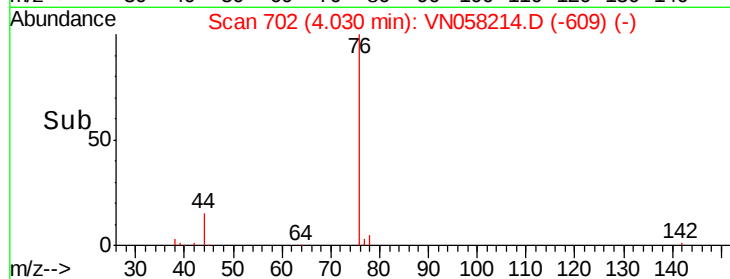
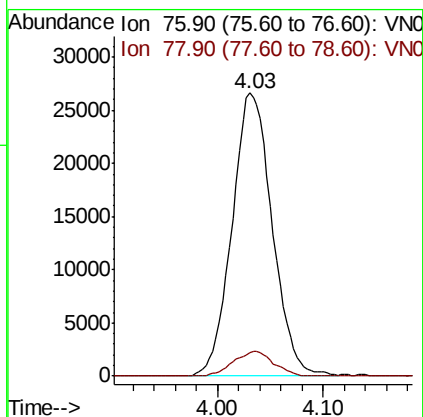
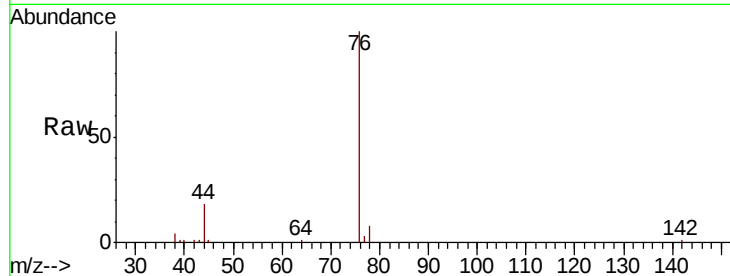




#17
Carbon Disulfide
Concen: 17.490 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

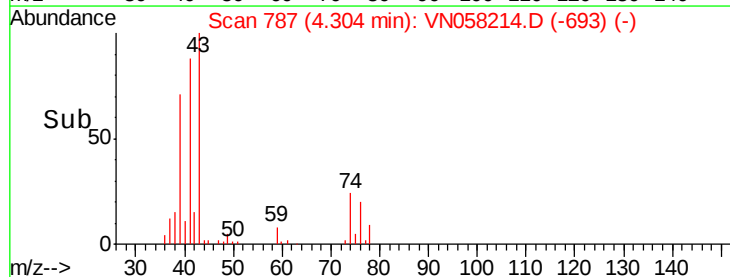
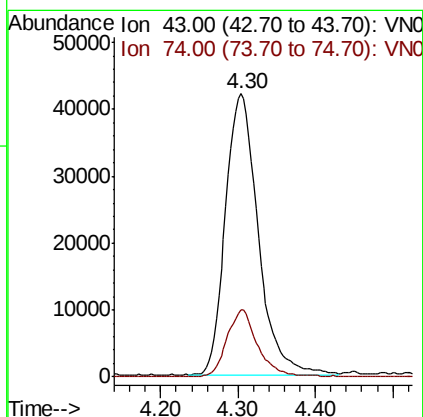
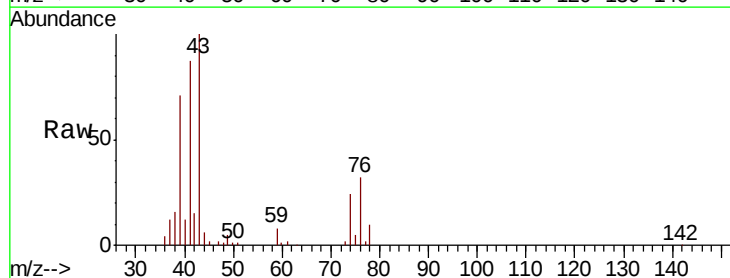
Instrument :
MSVOA_N
ClientSampled :

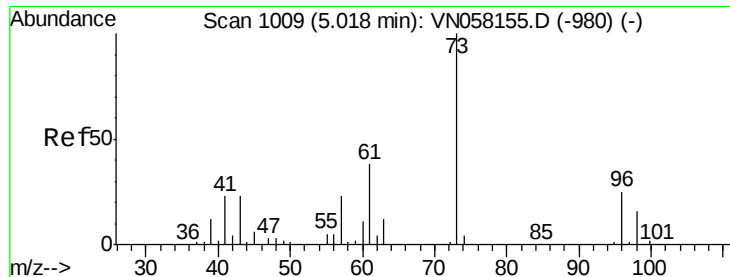
Tot Ion: 76 Resp: 70298
Ion Ratio Lower Upper
76 100
78 8.1 7.7 11.5



#18
Methyl Acetate
Concen: 21.084 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 43 Resp: 123329
Ion Ratio Lower Upper
43 100
74 22.3 18.0 27.0

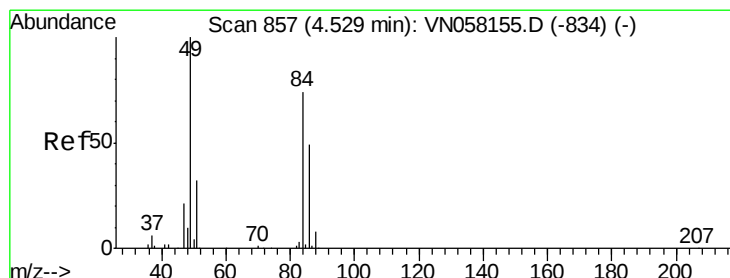
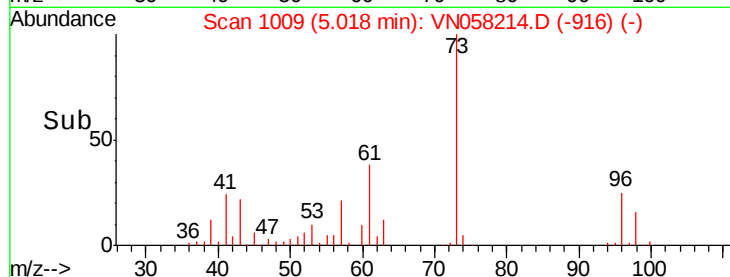
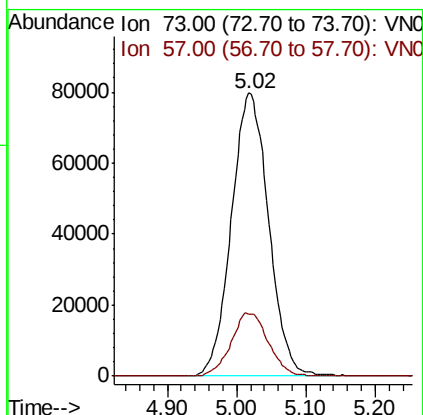
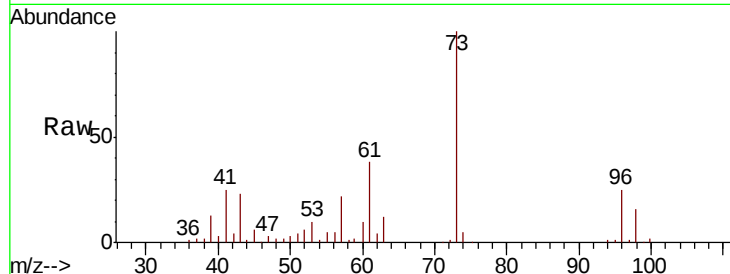




#19
Methyl tert-butyl Ether
Concen: 20.779 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

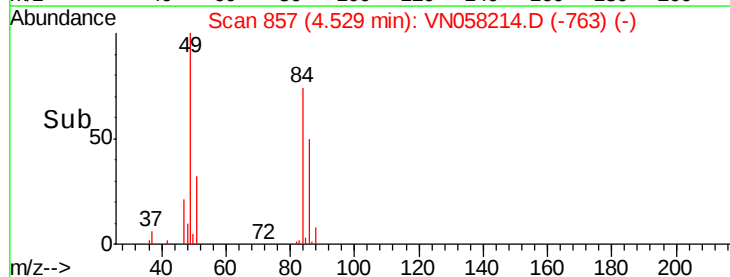
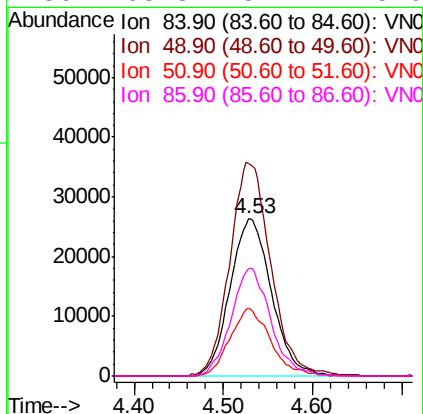
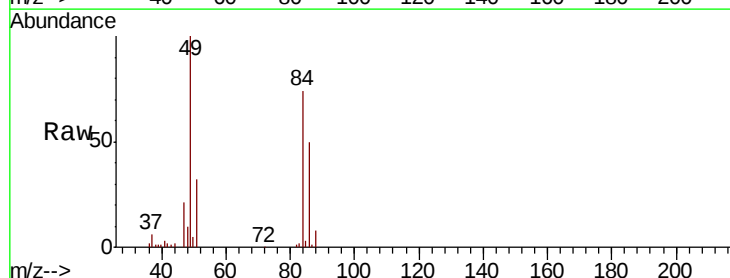
Instrument :
MSVOA_N
ClientSampled :

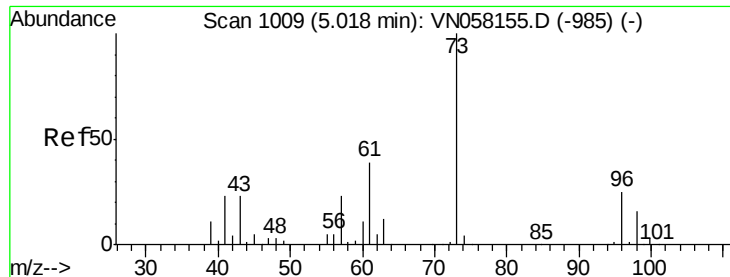
Tot Ion: 73 Resp: 297899
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1



#20
Methylene Chloride
Concen: 21.725 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 84 Resp: 85038
Ion Ratio Lower Upper
84 100
49 135.8 107.5 161.3
51 42.9 33.9 50.9
86 68.3 52.4 78.6

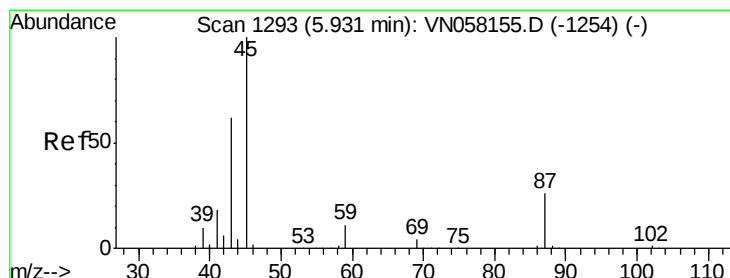
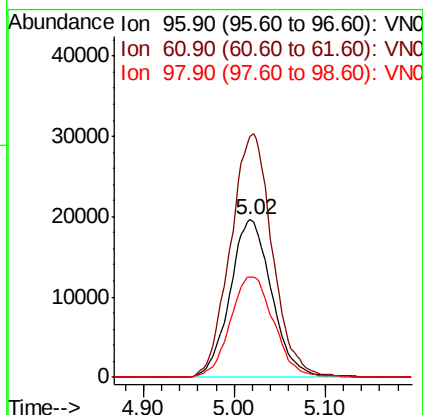
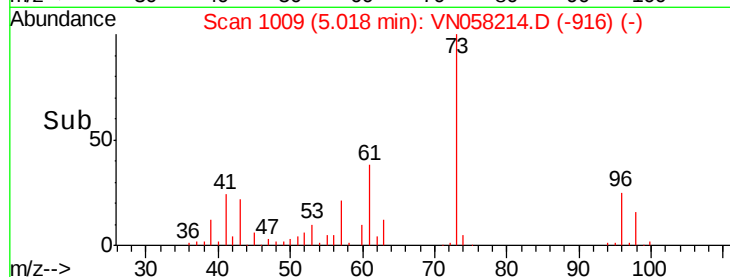
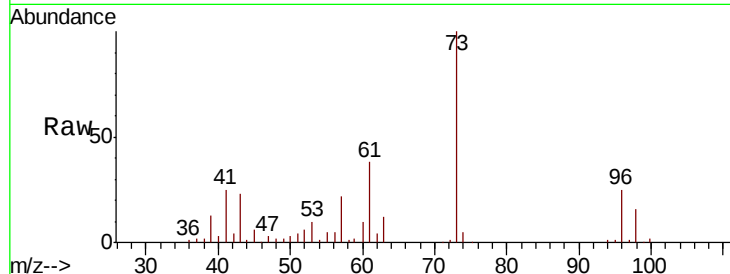




#21
trans-1,2-Dichloroethene
Concen: 19.612 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

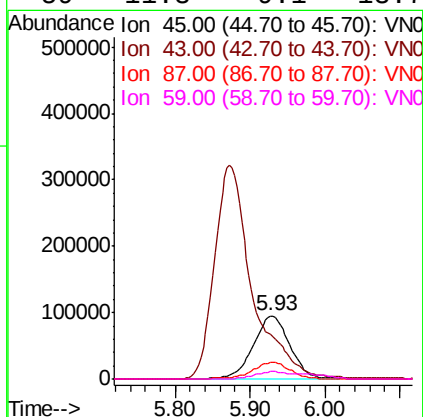
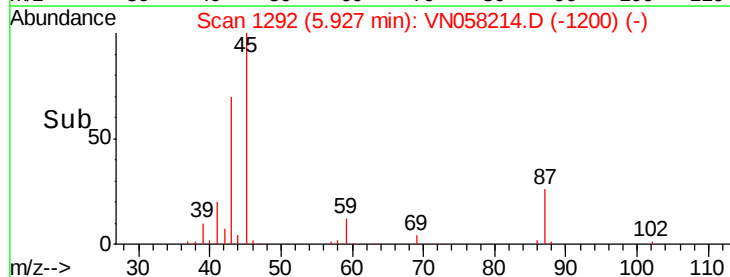
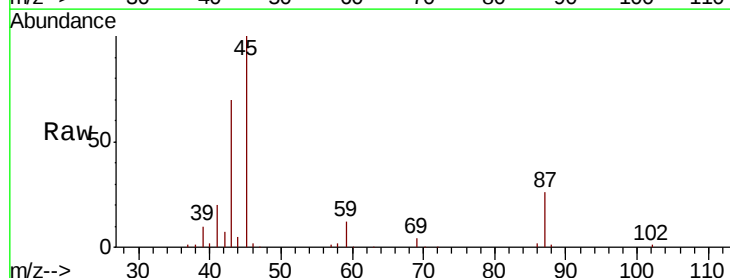
Instrument :
MSVOA_N
ClientSampleId :

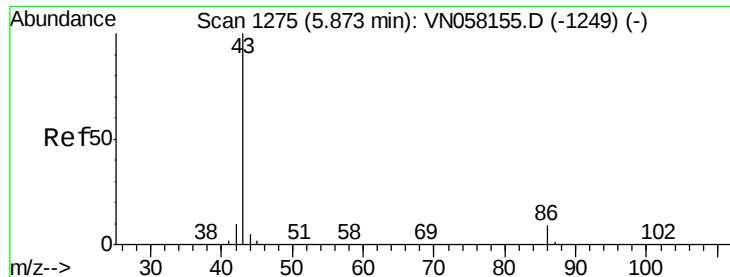
Tot Ion: 96 Resp: 62418
Ion Ratio Lower Upper
96 100
61 153.1 122.2 183.4
98 63.9 49.9 74.9



#22
Diisopropyl ether
Concen: 20.402 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 45 Resp: 322349
Ion Ratio Lower Upper
45 100
43 67.8 49.7 74.5
87 25.4 20.7 31.1
59 11.3 9.1 13.7

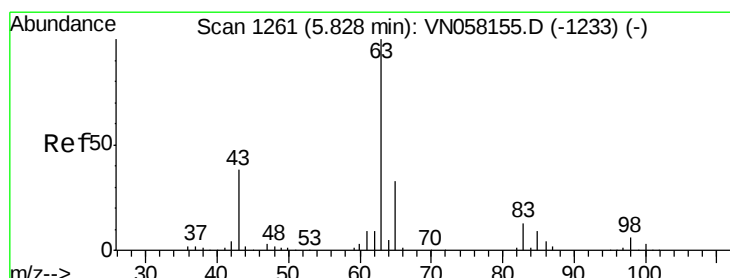
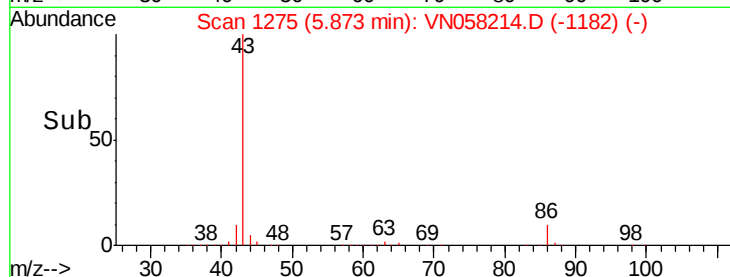
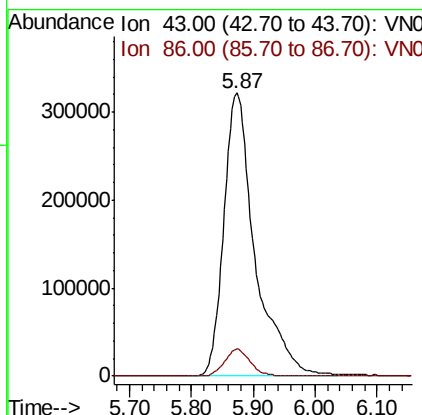
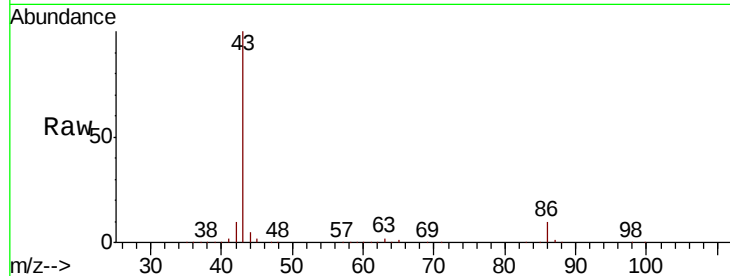




#23
 Vinyl Acetate
 Concen: 104.385 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

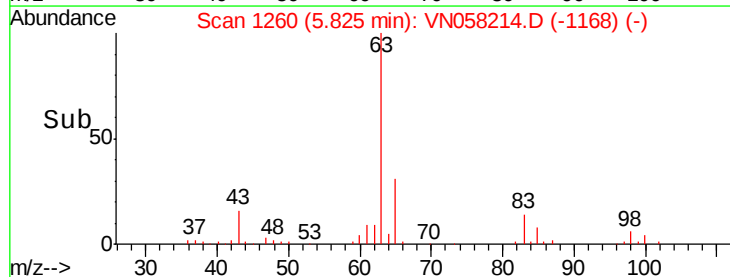
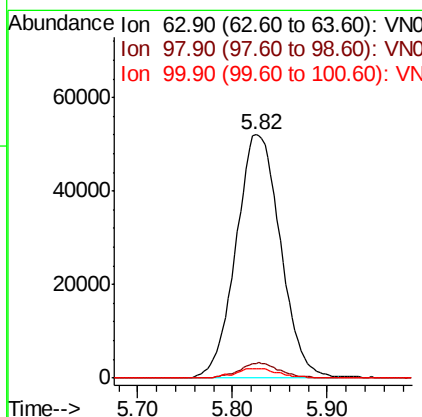
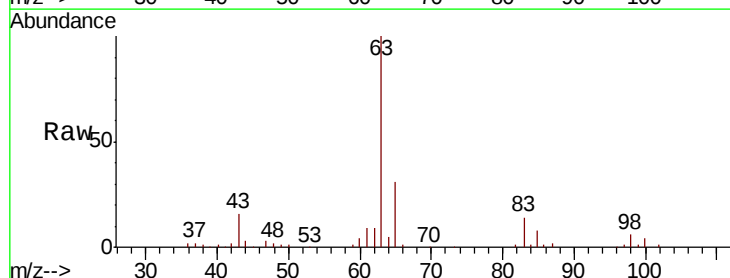
Instrument :
 MSVOA_N
 ClientSampleId :

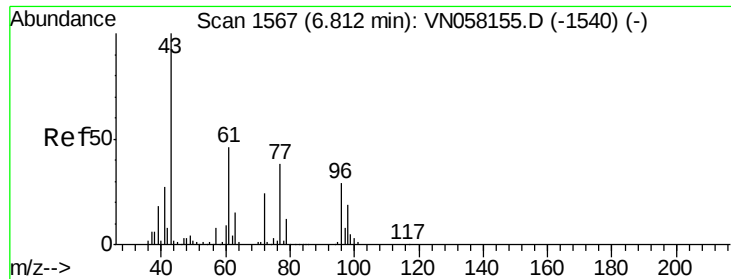
Tot Ion: 43 Resp: 1128530
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 20.123 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 63 Resp: 169688
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.7 1.8 5.3

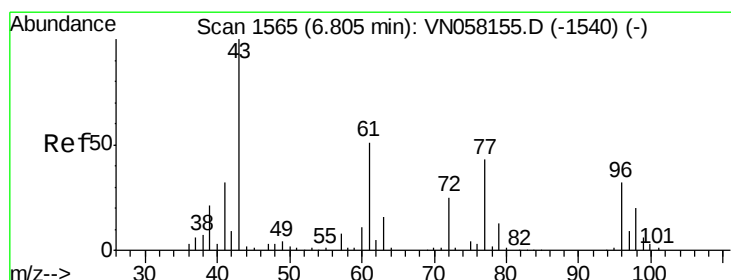
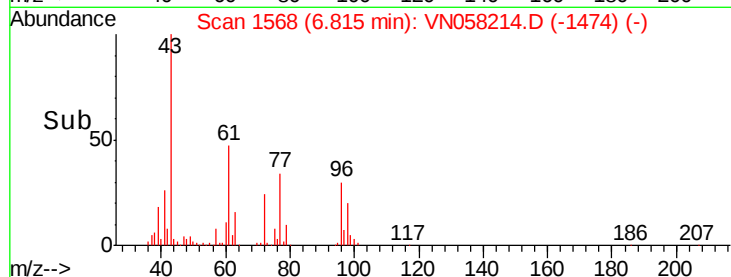
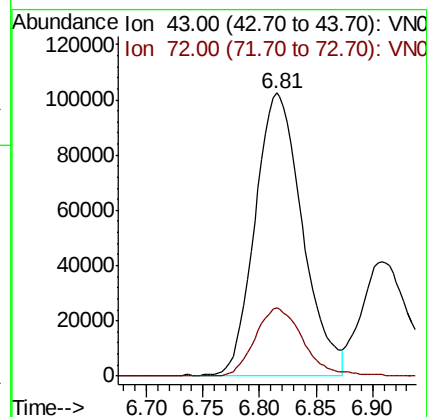
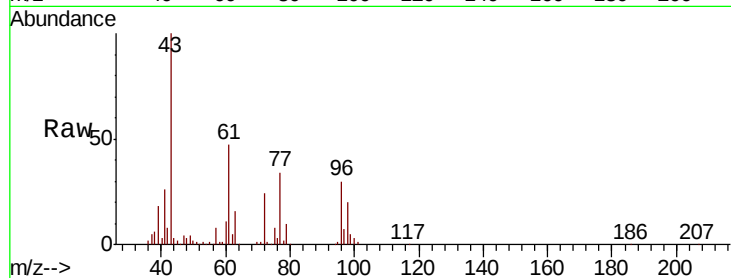




#25
2-Butanone
Concen: 97.762 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

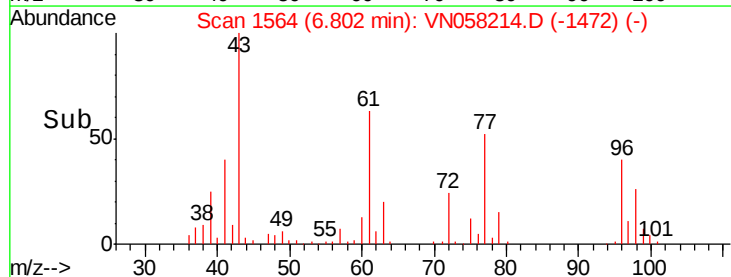
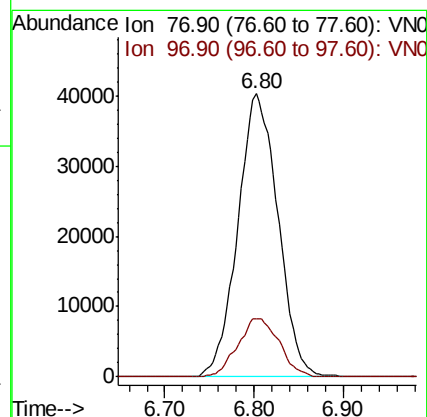
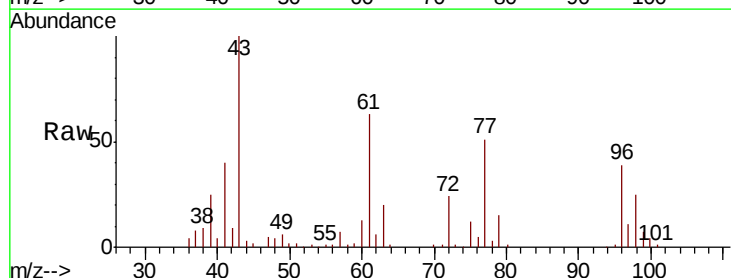
Instrument :
MSVOA_N
ClientSampled :

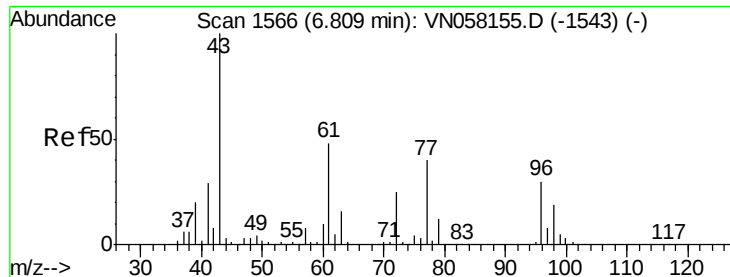
Tot Ion: 43 Resp: 296071
Ion Ratio Lower Upper
43 100
72 24.4 19.5 29.3



#26
2,2-Dichloropropane
Concen: 17.532 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 77 Resp: 125426
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.727 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampled :

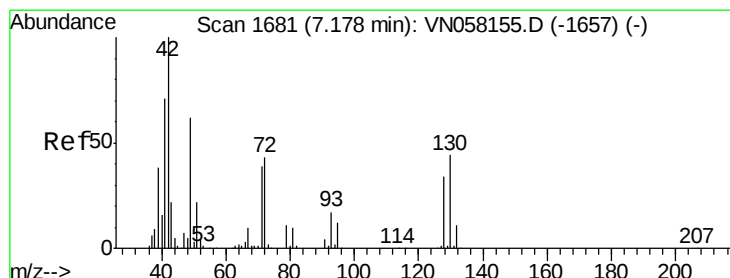
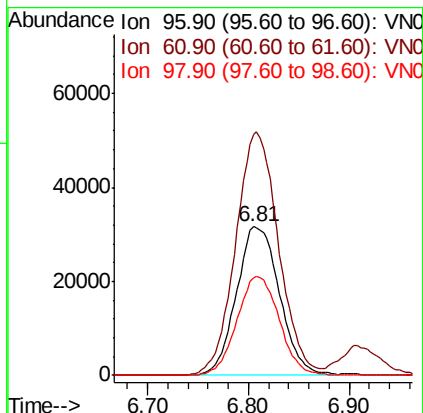
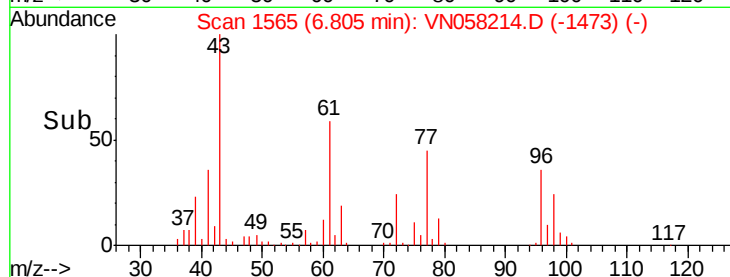
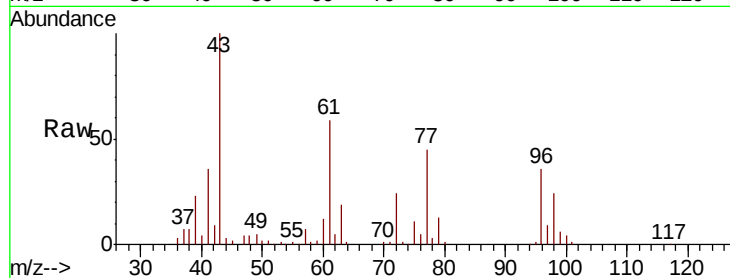
Tot Ion: 96 Resp: 94063

Ion Ratio Lower Upper

96 100

61 162.3 0.0 319.0

98 65.3 0.0 126.6



#28

Bromochloromethane

Concen: 22.527 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

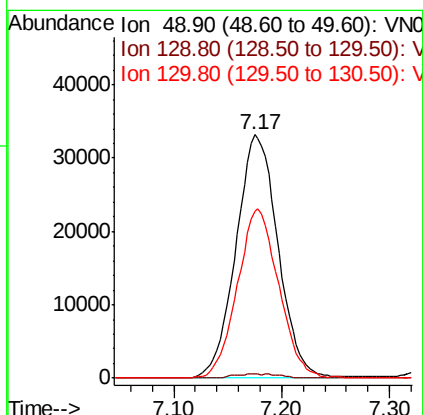
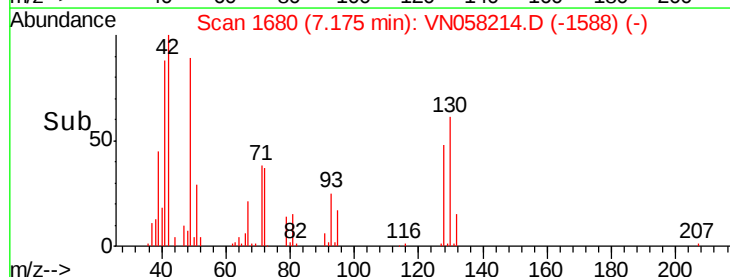
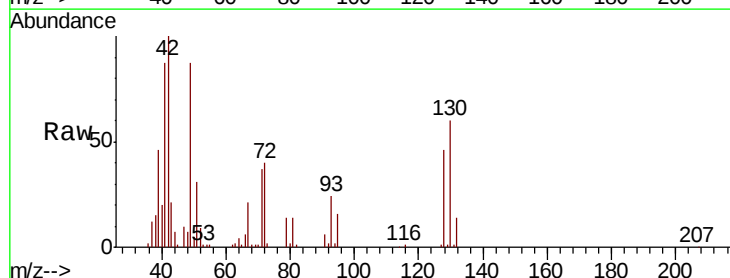
Tgt Ion: 49 Resp: 89863

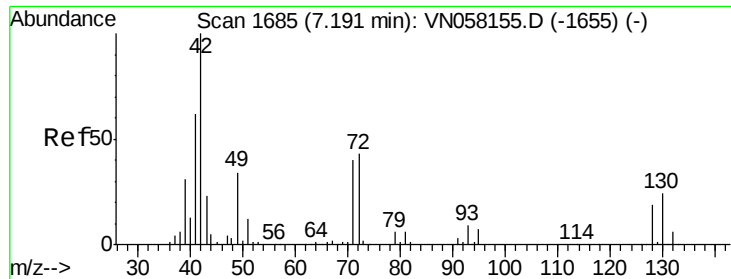
Ion Ratio Lower Upper

49 100

129 1.0 0.0 1.8

130 68.3 55.4 83.2

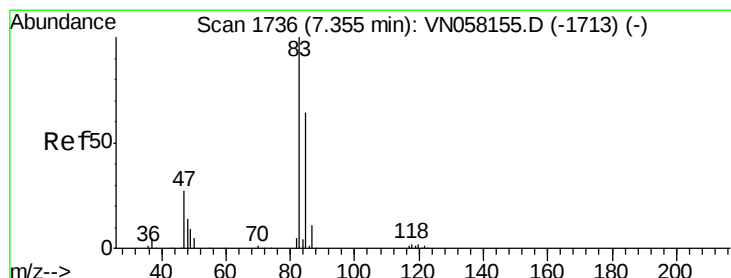
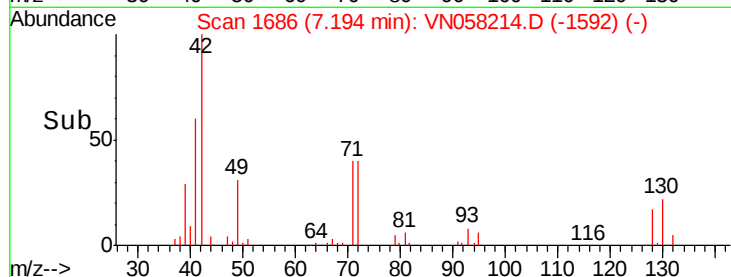
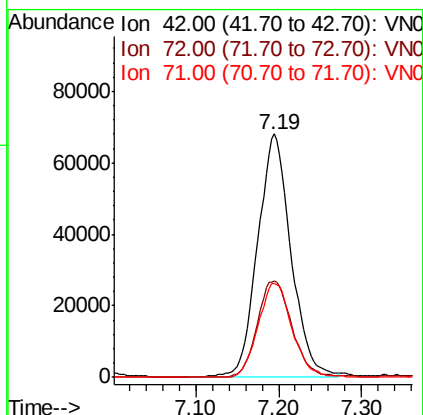
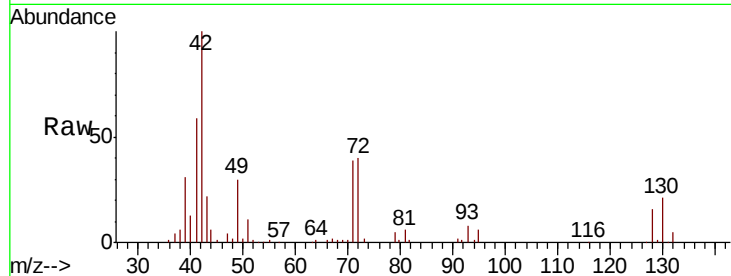




#29
Tetrahydrofuran
Concen: 101.635 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

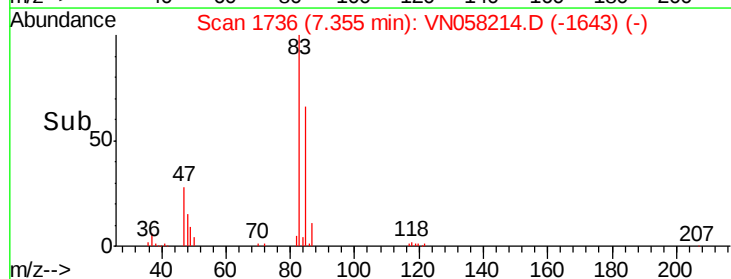
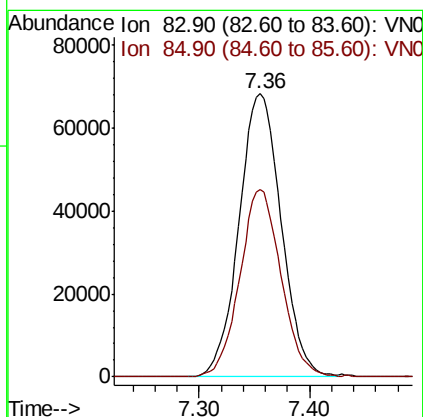
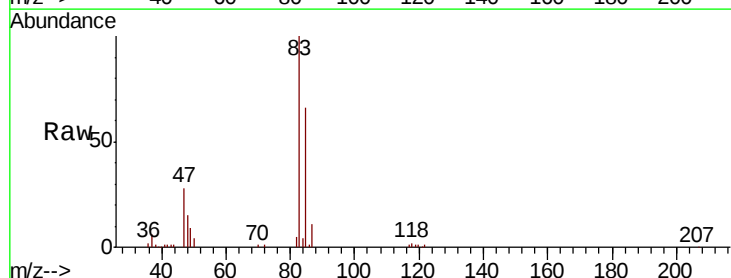
Instrument :
MSVOA_N
ClientSampled :

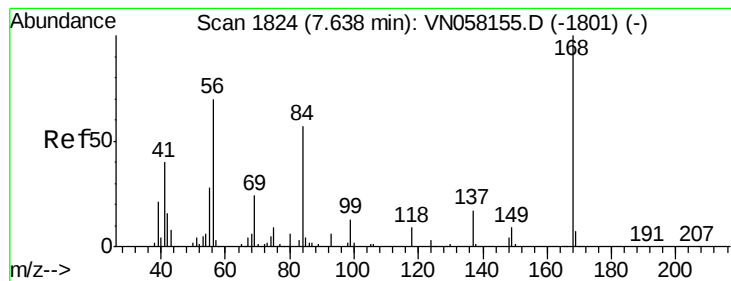
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	39.9	31.4	47.0



#30
Chloroform
Concen: 19.931 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.4	77.2





#31

Cyclohexane

Concen: 19.116 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

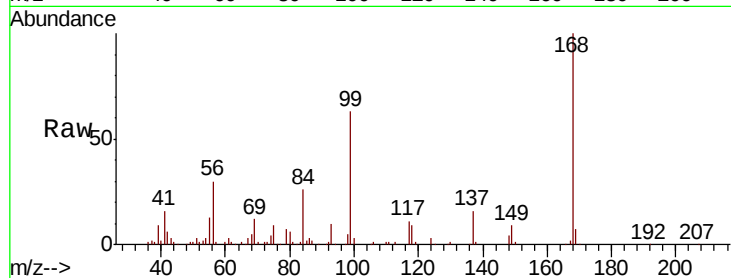
Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

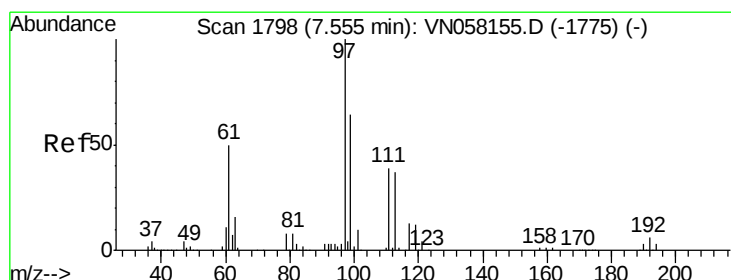
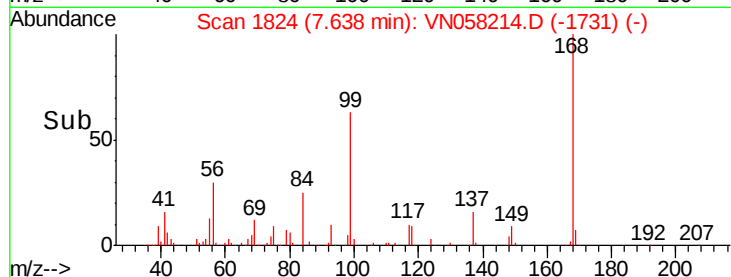
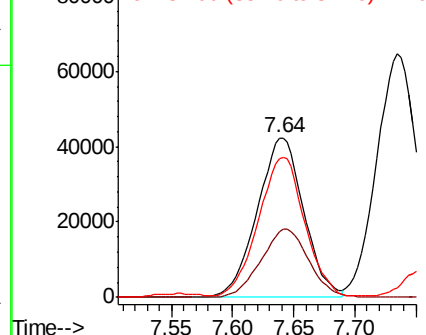
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 112327

Ion	Ratio	Lower	Upper
56	100		
69	41.1	27.3	40.9#
84	85.1	65.0	97.4



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.943 ug/l

RT: 7.55 min Scan# 1798

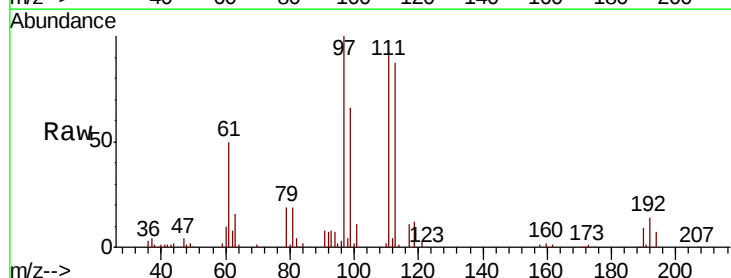
Delta R.T. -0.00 min

Lab File: VN058214.D

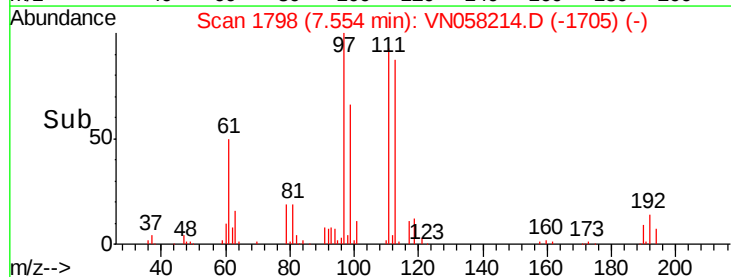
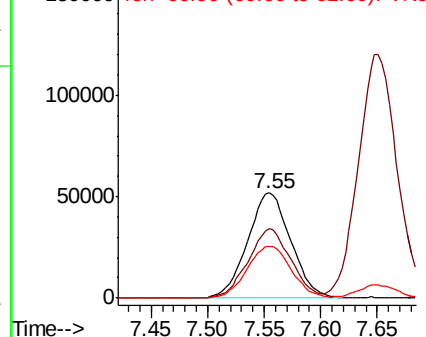
Acq: 19 Sep 2019 19:16

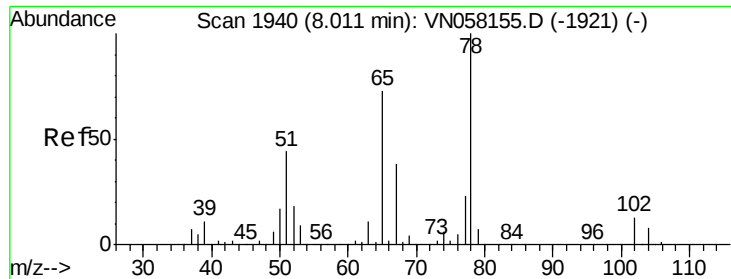
Tgt Ion: 97 Resp: 137812

Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	50.3	39.2	58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

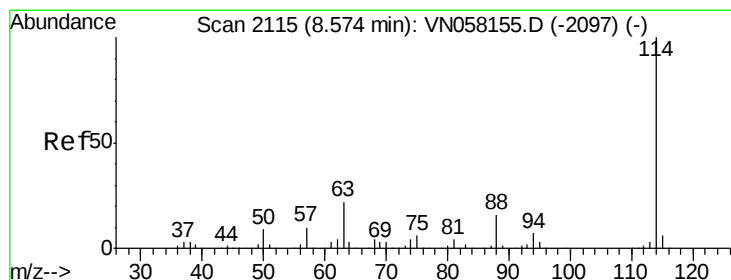
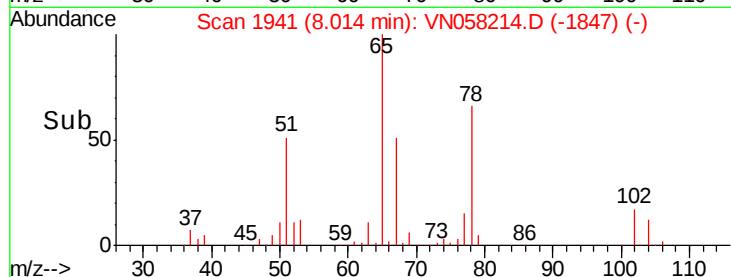
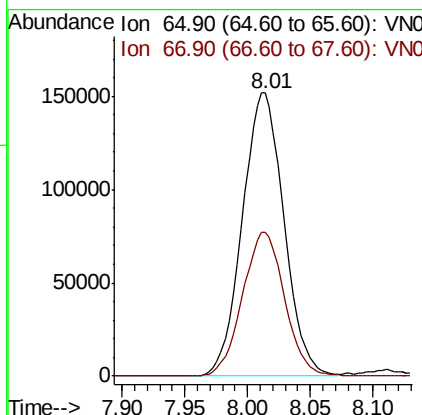
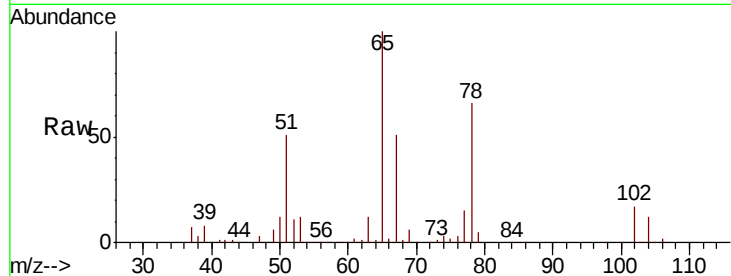




#33
 1,2-Dichloroethane-d4
 Concen: 53.487 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

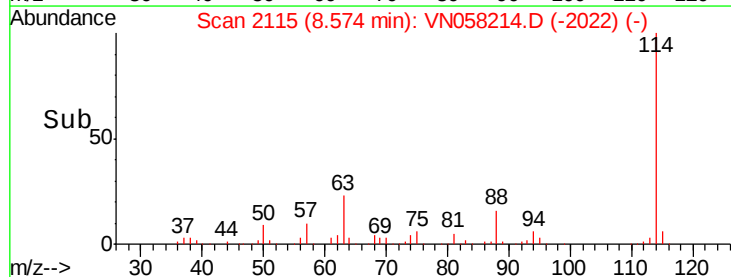
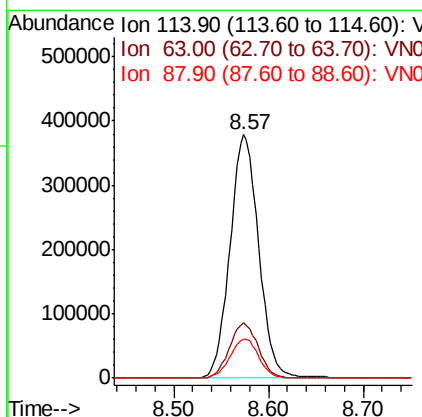
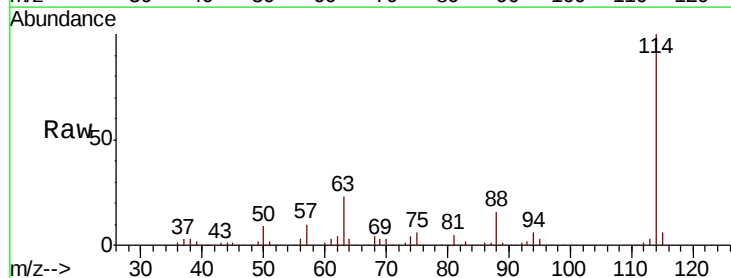
Instrument :
 MSVOA_N
 ClientSampleId :

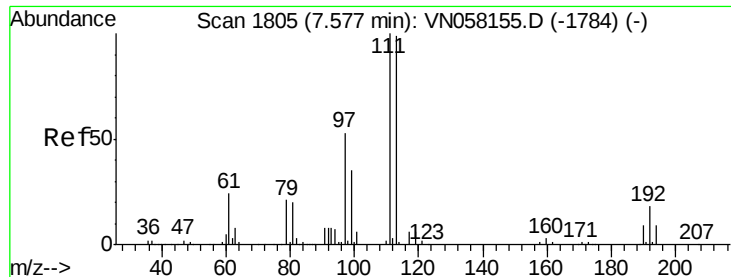
Tot Ion: 65 Resp: 350278
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 114 Resp: 796251
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 16.1 0.0 31.6

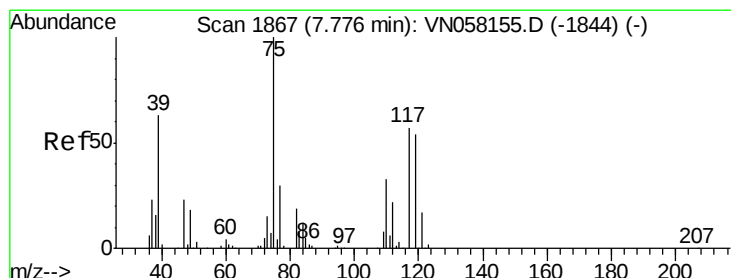
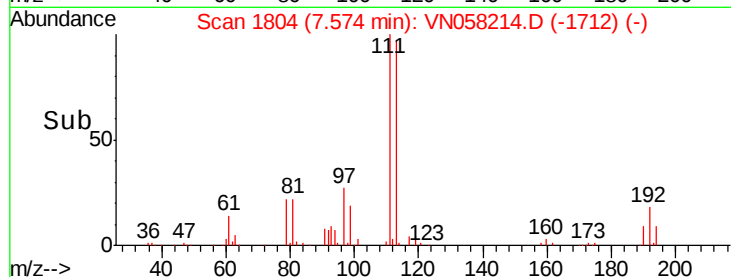
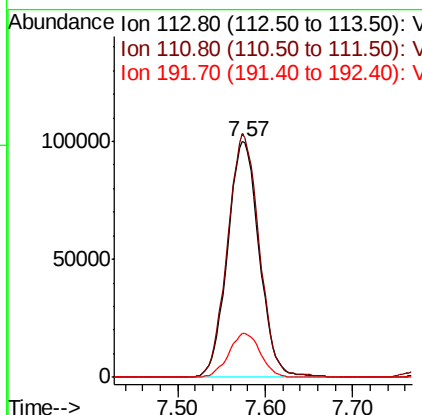
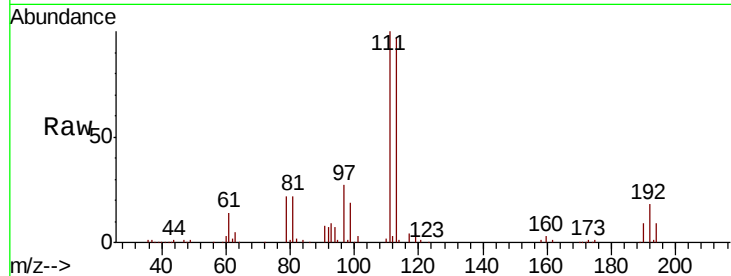




#35
 Dibromofluoromethane
 Concen: 51.849 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

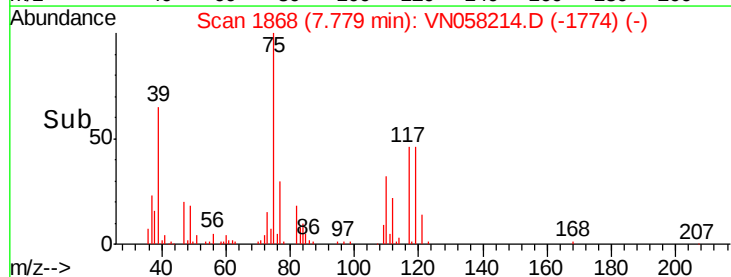
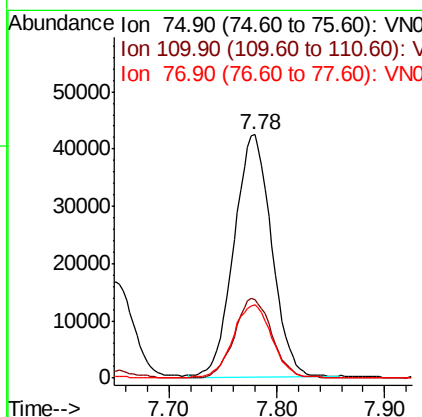
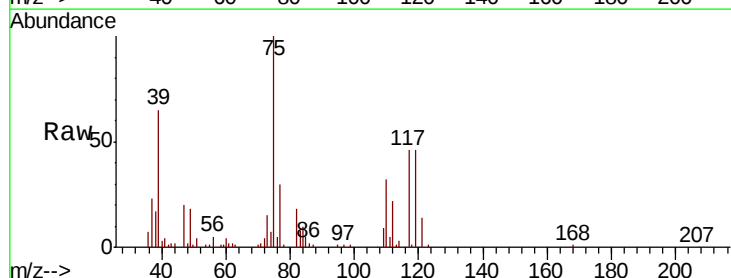
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.6
192	18.7	14.5	21.7



#36
 1,1-Dichloropropene
 Concen: 17.919 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.6	49.7
77	31.6	24.3	36.5

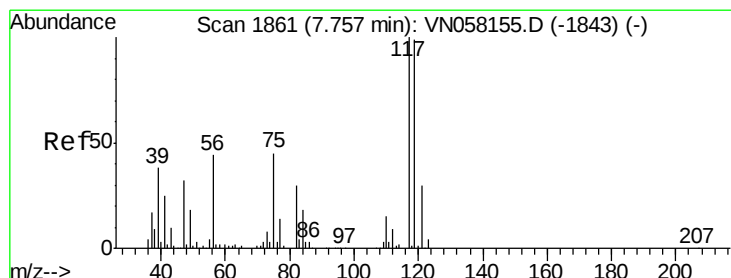
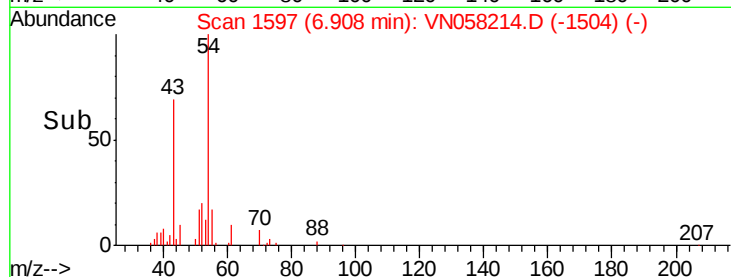
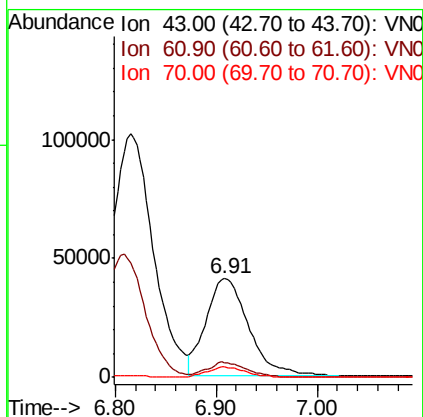
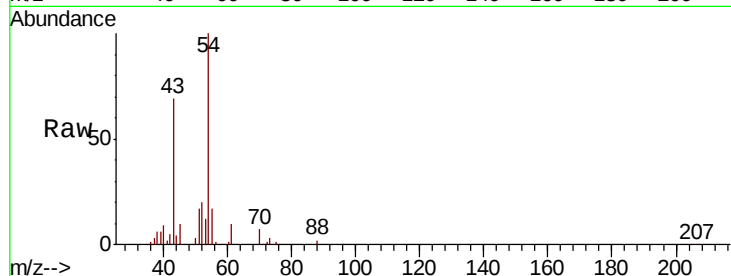




#37
Ethyl Acetate
Concen: 20.289 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

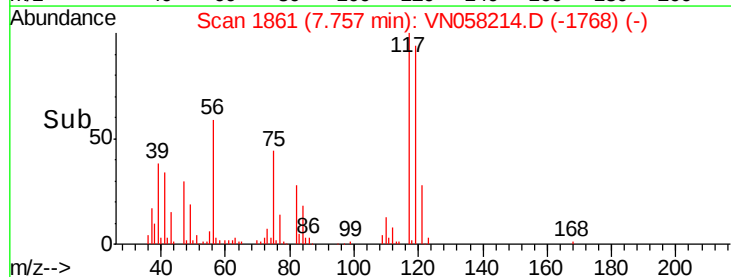
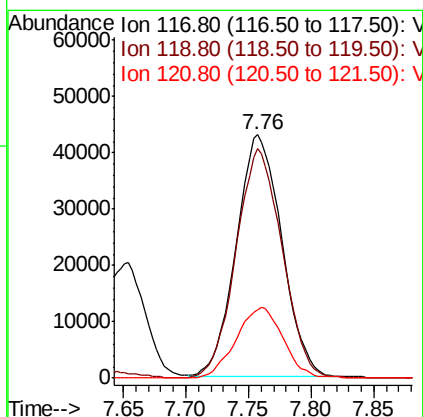
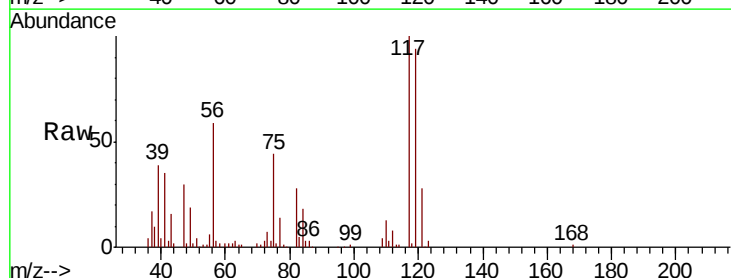
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 120902
Ion Ratio Lower Upper
43 100
61 13.7 10.7 16.1
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 18.774 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 117 Resp: 108367
Ion Ratio Lower Upper
117 100
119 94.4 78.6 117.8
121 28.3 24.1 36.1

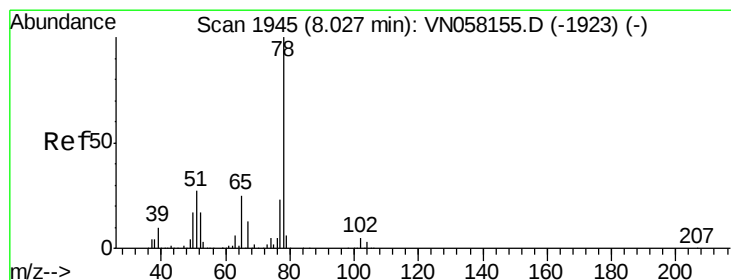
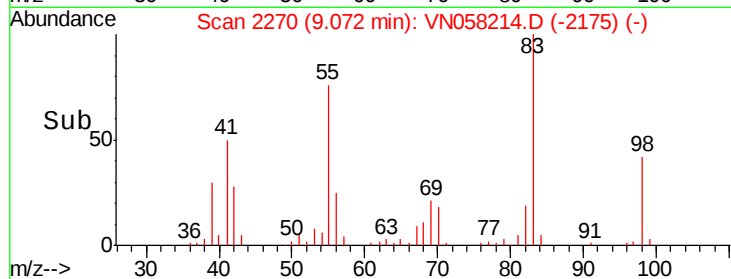
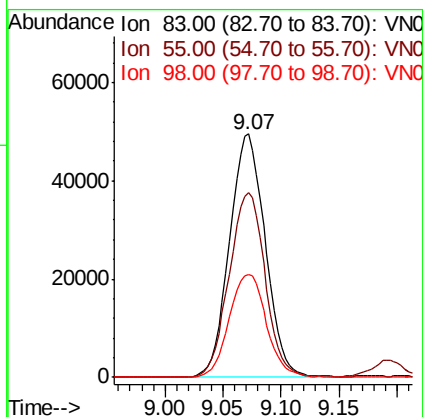
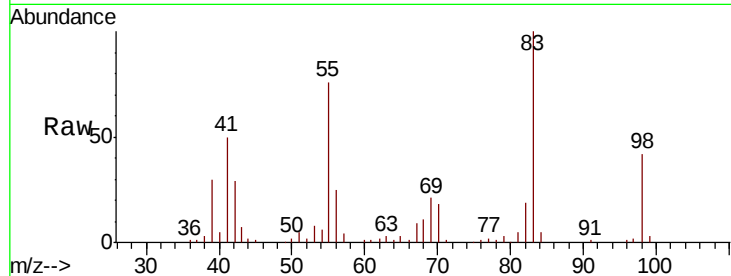




#39
Methvlcvclohexane
Concen: 19.095 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

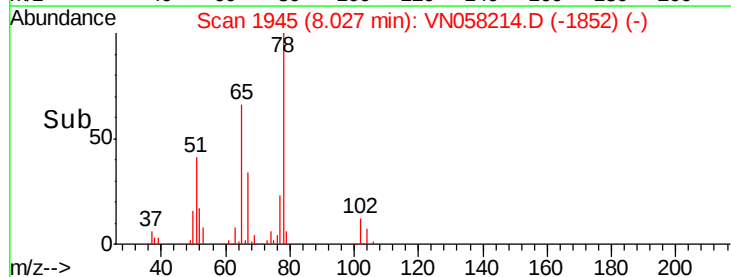
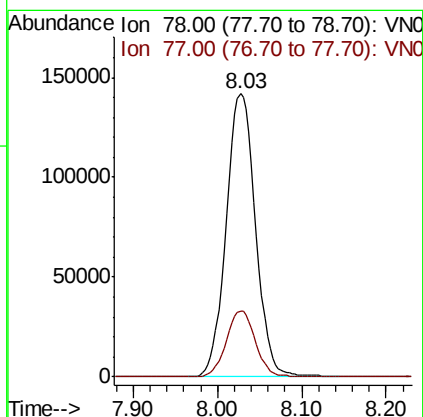
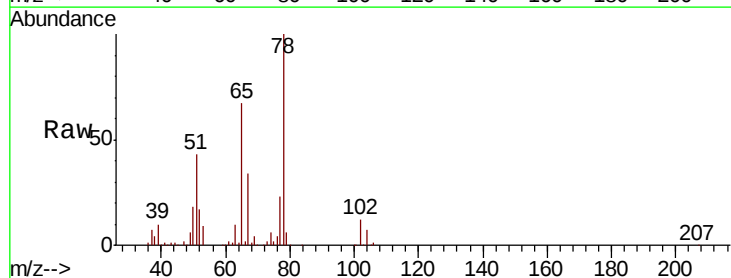
Instrument :
MSVOA_N
ClientSampled :

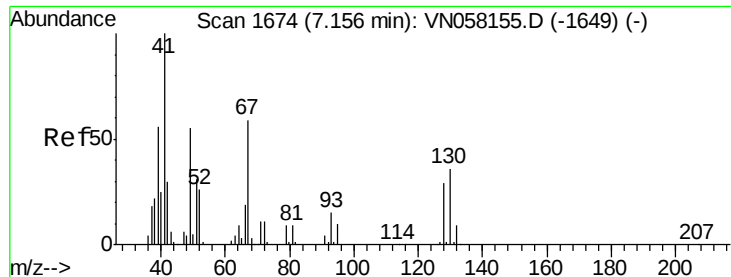
Tot Ion: 83 Resp: 105770
Ion Ratio Lower Upper
83 100
55 75.7 61.9 92.9
98 42.4 35.4 53.2



#40
Benzene
Concen: 19.590 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 78 Resp: 343583
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

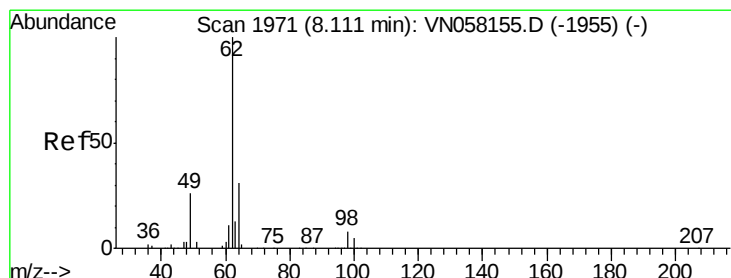
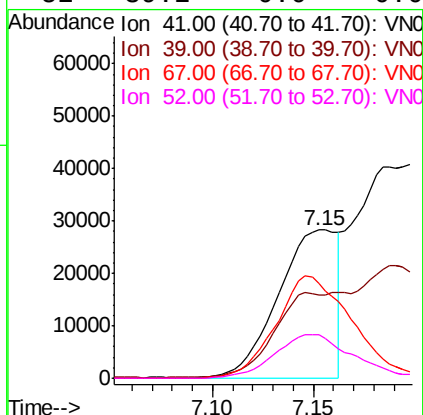
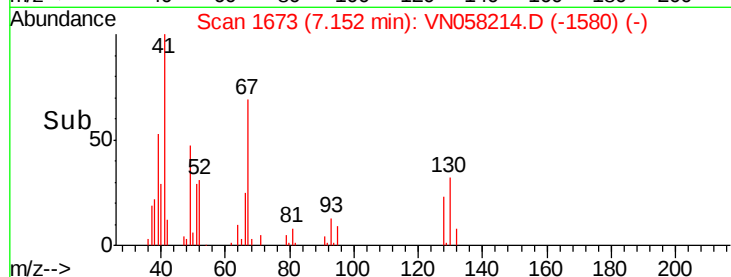
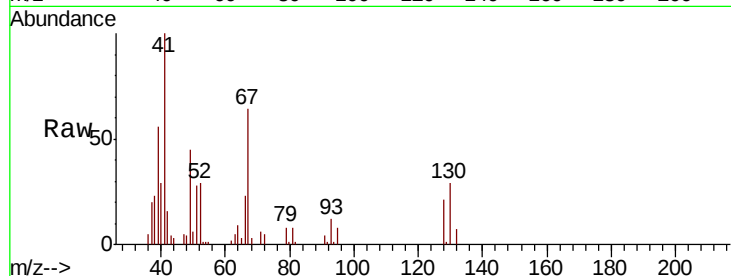




#41
Methacrylonitrile
Concen: 19.859 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

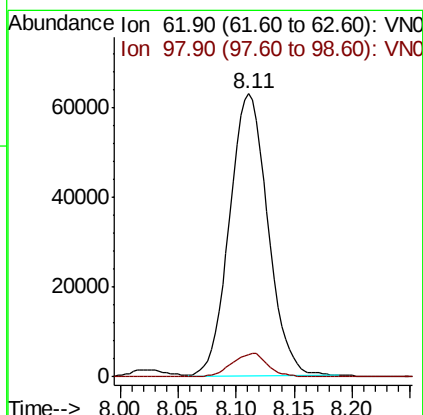
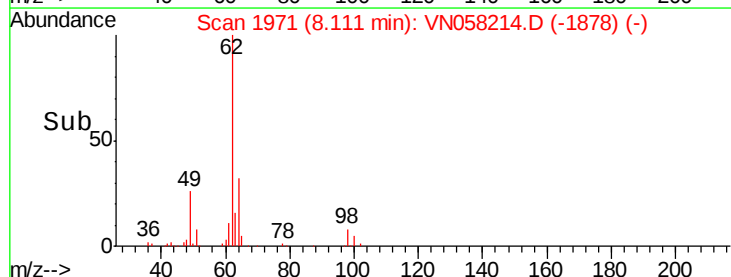
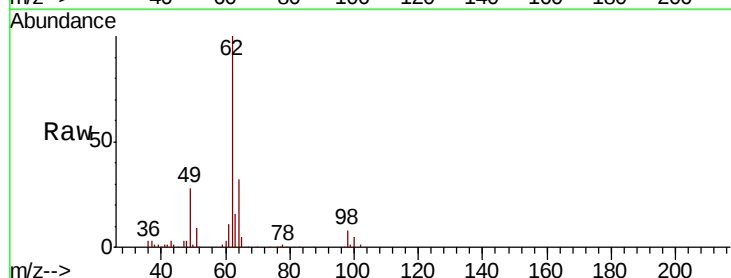
Instrument :
MSVOA_N
ClientSampled :

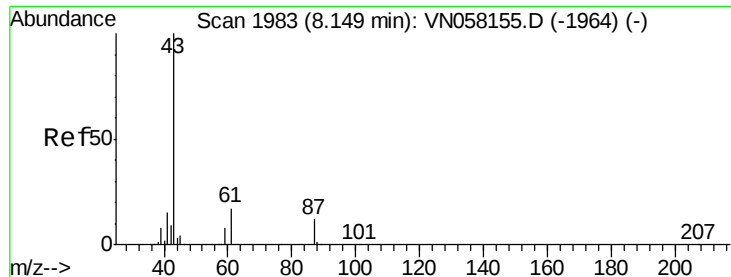
Tot Ion: 41 Resp: 57939
Ion Ratio Lower Upper
41 100
39 42.9 0.0 0.0#
67 89.1 0.0 0.0#
52 39.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 19.729 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 62 Resp: 145190
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.6

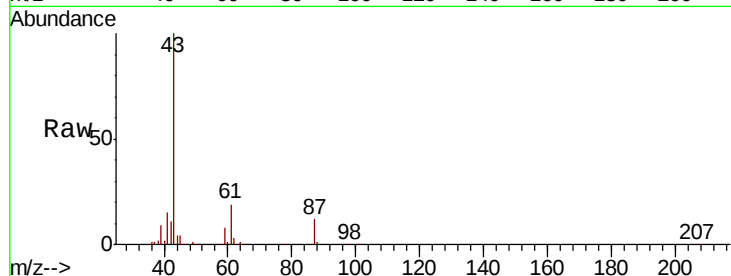




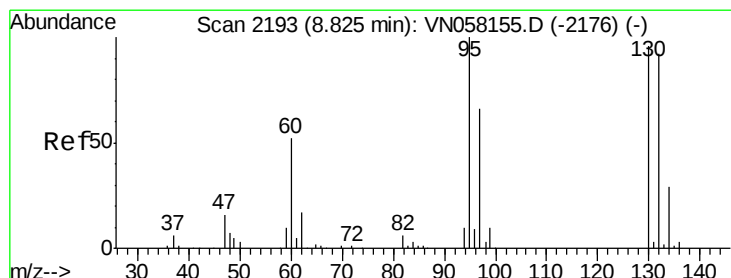
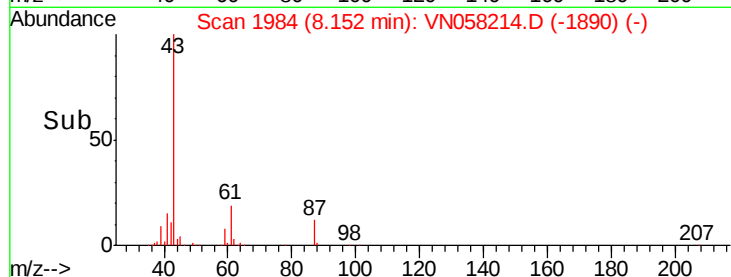
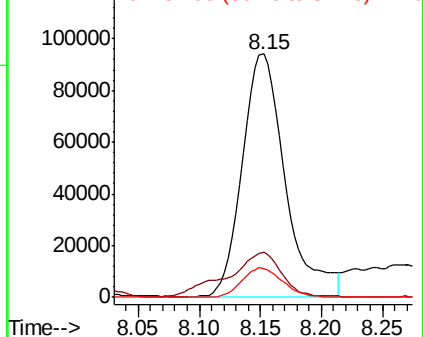
#43
Isopropyl Acetate
Concen: 20.515 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 228322
Ion Ratio Lower Upper
43 100
61 23.1 19.7 29.5
87 11.6 9.4 14.2

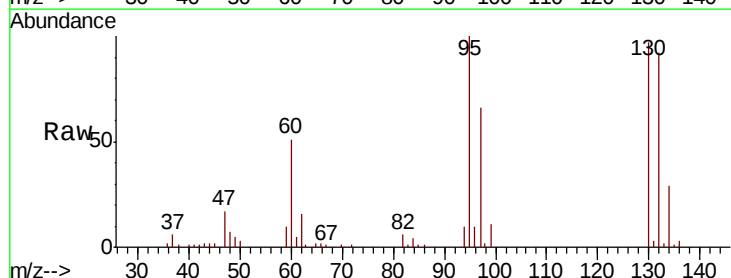


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

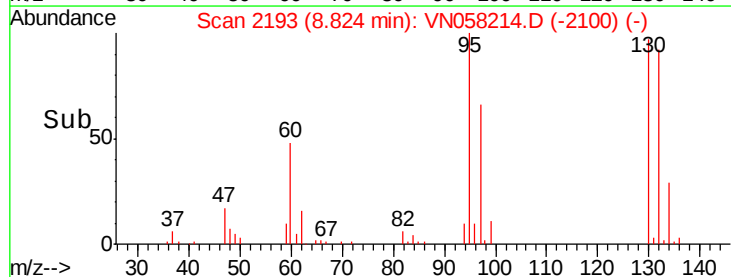
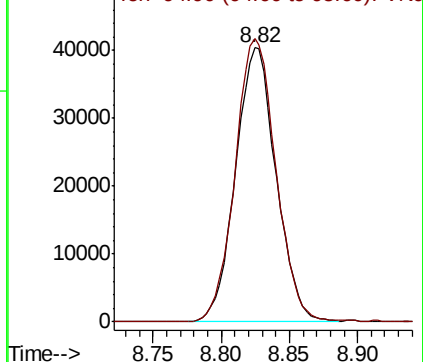


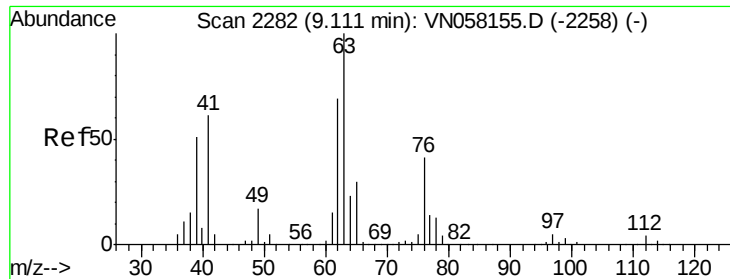
#44
Trichloroethene
Concen: 19.446 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:130 Resp: 83462
Ion Ratio Lower Upper
130 100
95 103.2 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

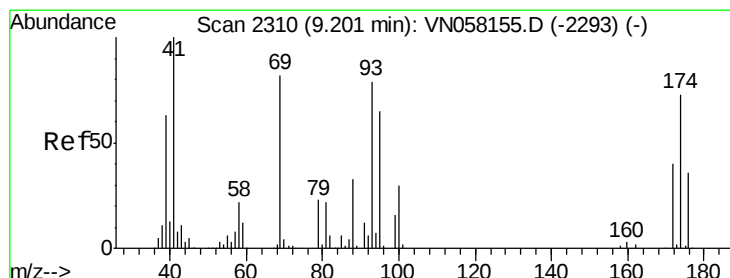
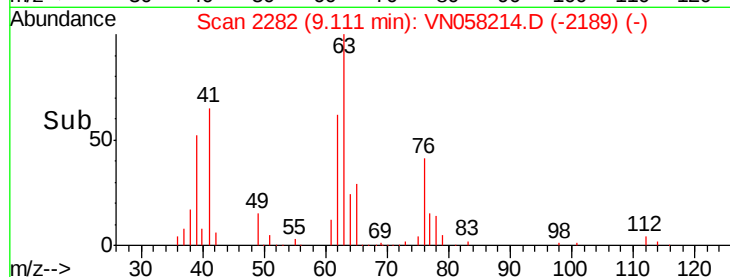
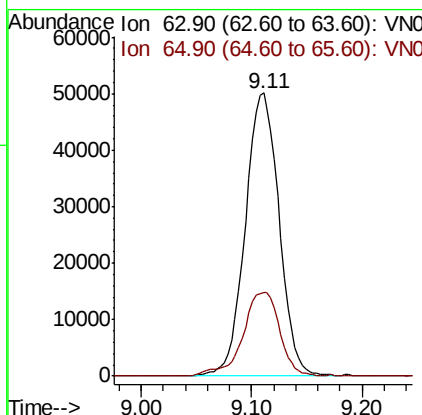
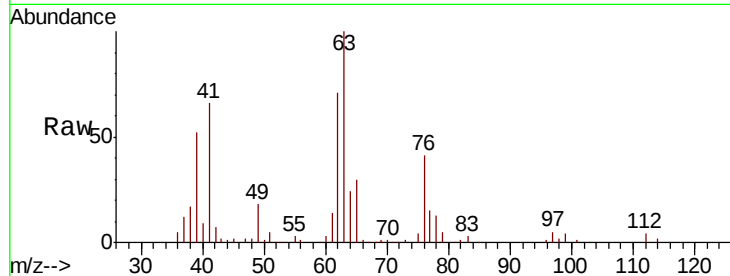




#45
 1,2-Dichloropropane
 Concen: 20.367 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

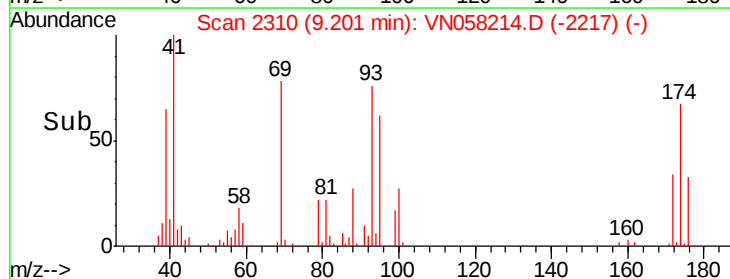
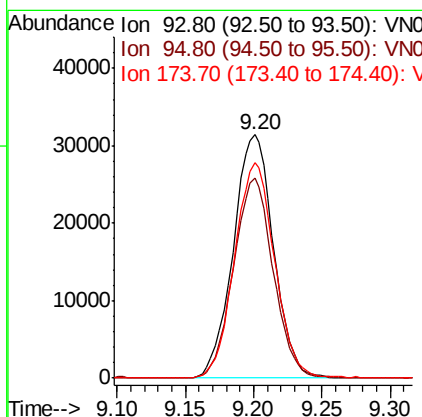
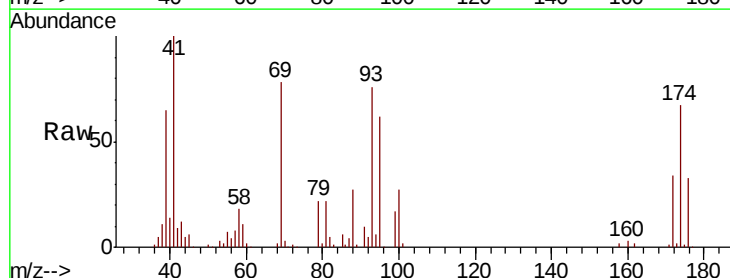
Instrument :
 MSVOA_N
 ClientSampled :

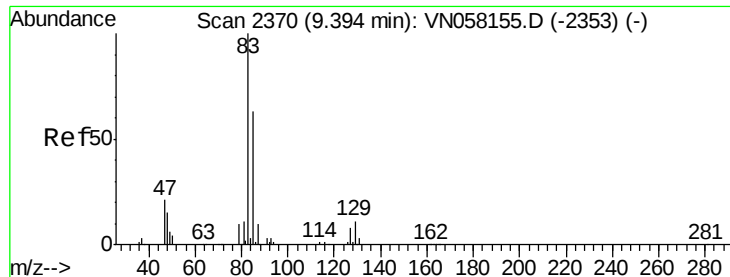
Tot Ion: 63 Resp: 106675
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.8 35.6



#46
 Dibromomethane
 Concen: 20.232 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 93 Resp: 64426
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.8 100.2
 174 88.0 73.8 110.8





#47

Bromodichloromethane

Concen: 19.899 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

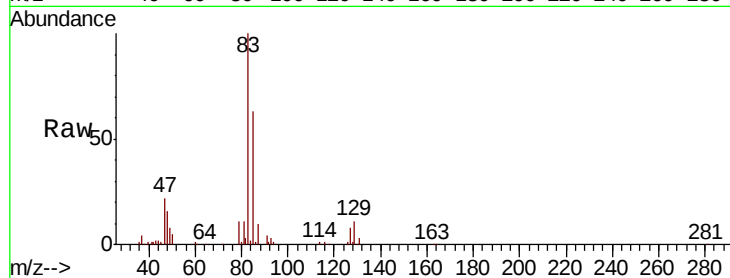
Tot Ion: 83 Resp: 132753

Ion Ratio Lower Upper

83 100

85 62.8 50.1 75.1

127 7.7 6.4 9.6

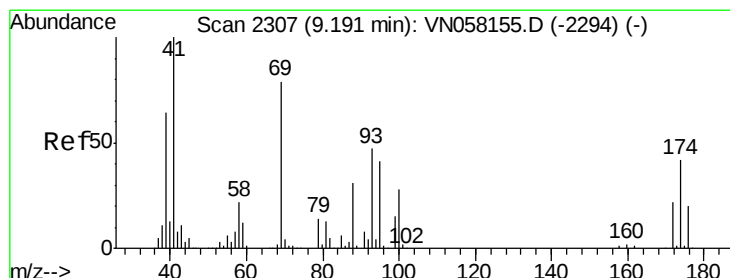
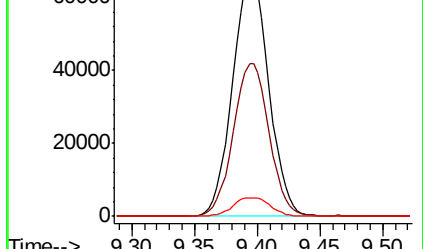
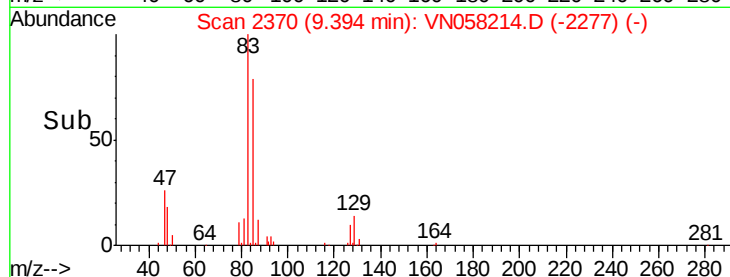


Abundance Ion 82.90 (82.60 to 83.60): VN058214.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058214.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058214.D (-2277) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.545 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

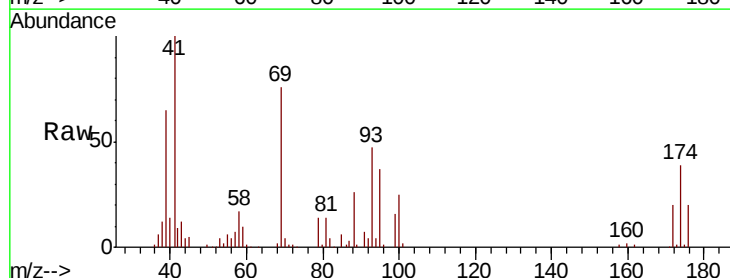
Tgt Ion: 41 Resp: 103818

Ion Ratio Lower Upper

41 100

69 76.5 62.5 93.7

39 66.4 52.3 78.5

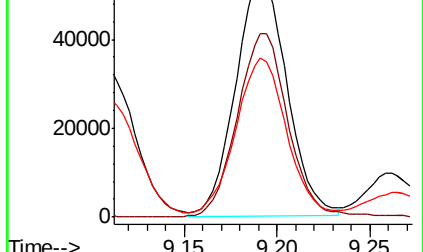
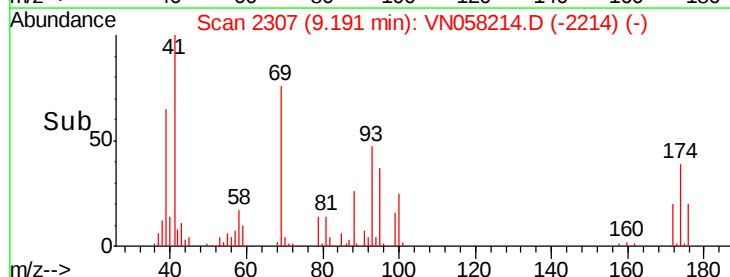


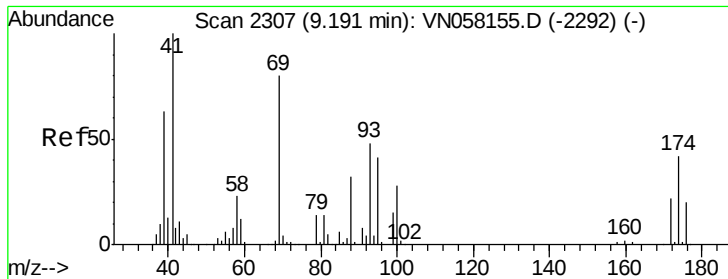
Abundance Ion 41.00 (40.70 to 41.70): VN058214.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058214.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058214.D (-2214) (-)

Time-->

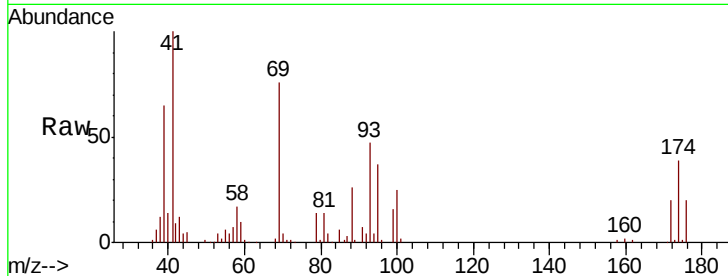




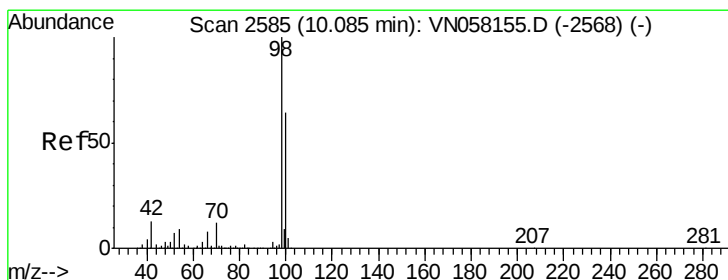
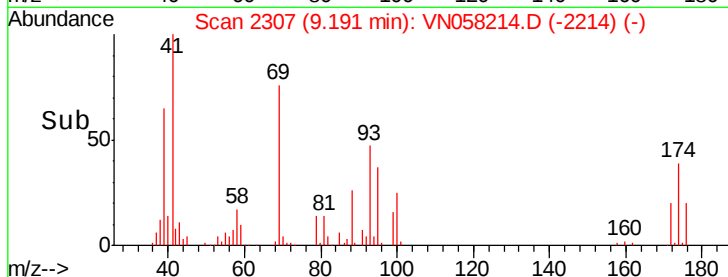
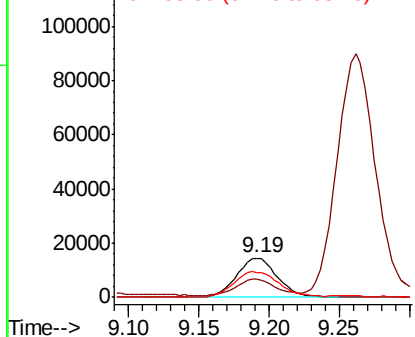
#49
 1,4-Dioxane
 Concen: 356.086 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 29542
 Ion Ratio Lower Upper
 88 100
 43 39.5 27.8 41.8
 58 72.4 55.0 82.4

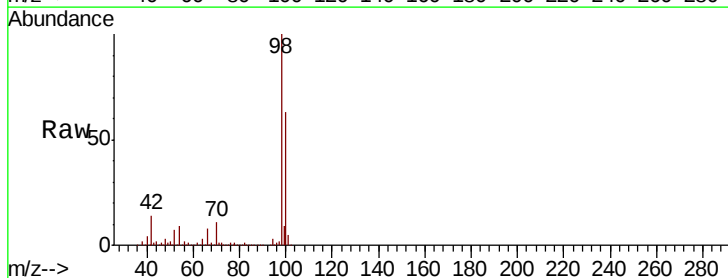


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

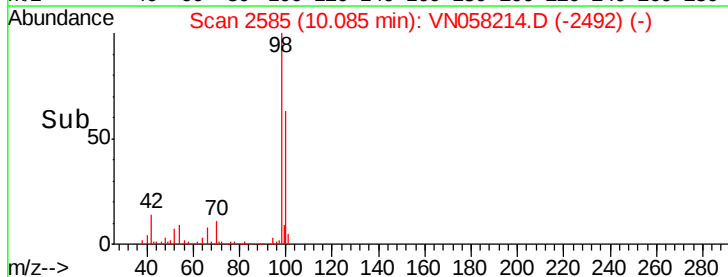
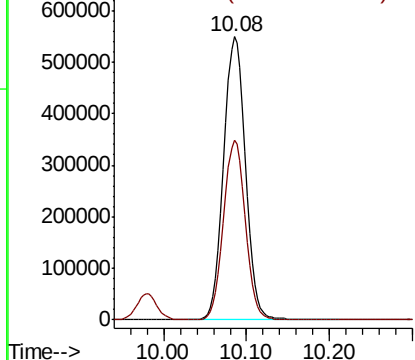


#50
 Toluene-d8
 Concen: 53.243 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 98 Resp: 1004149
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.1 76.7



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: 113.397 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

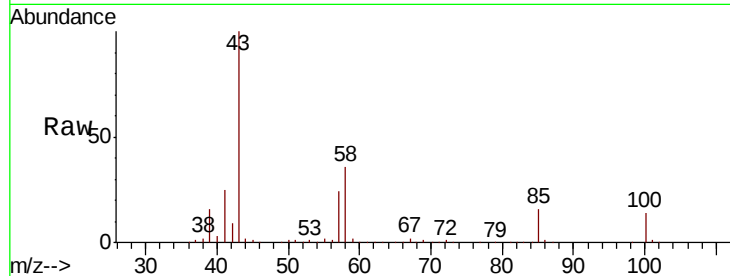
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 670330

Ion Ratio Lower Upper

43 100

58 36.4 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-2533) (-)

9.98

400000

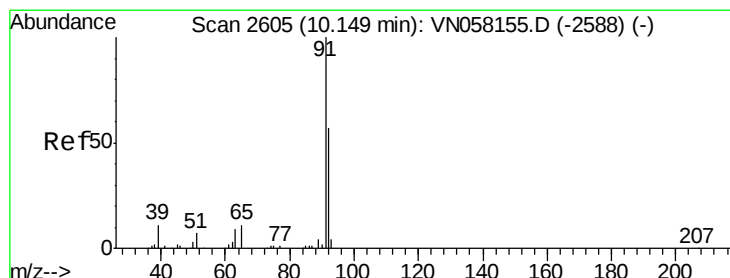
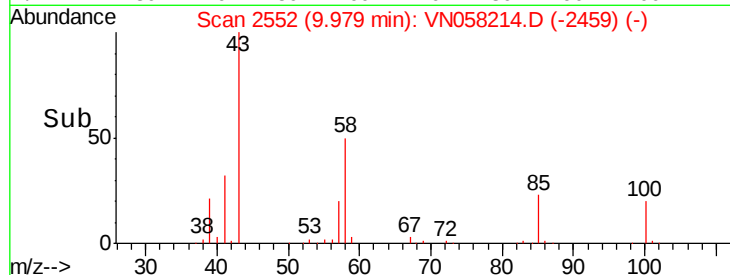
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.444 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058214.D

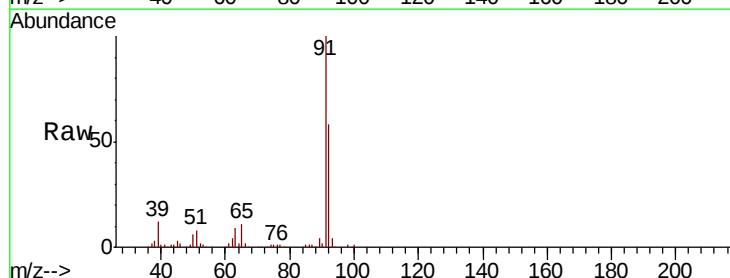
Acq: 19 Sep 2019 19:16

Tgt Ion: 92 Resp: 213718

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN058155.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058155.D (-2588) (-)

10.15

200000

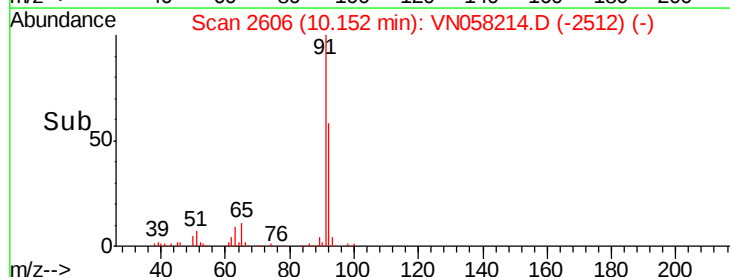
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.120 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

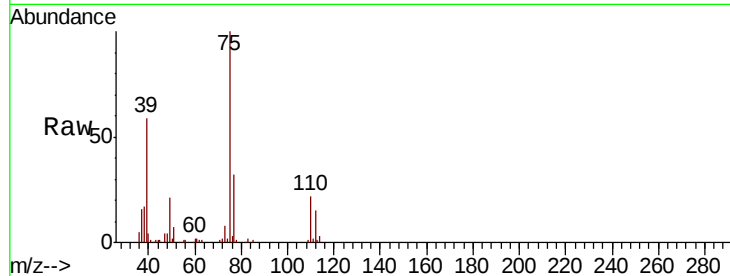
ClientSampleId :

Tot Ion: 75 Resp: 130658

Ion Ratio Lower Upper

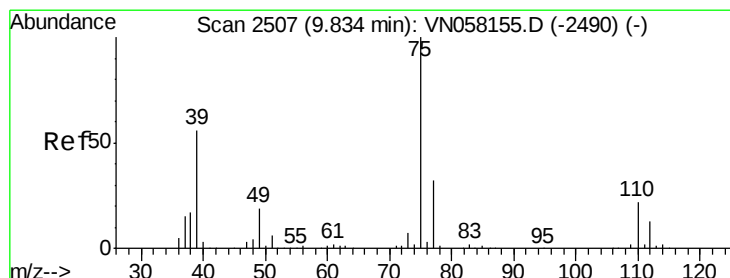
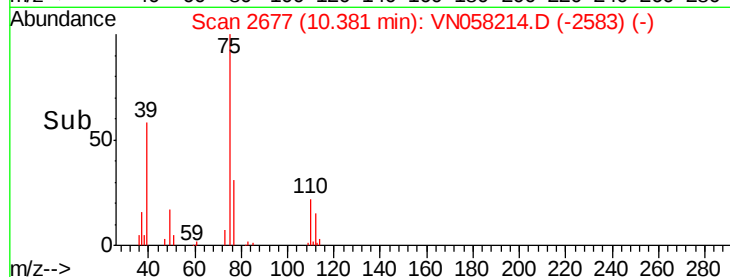
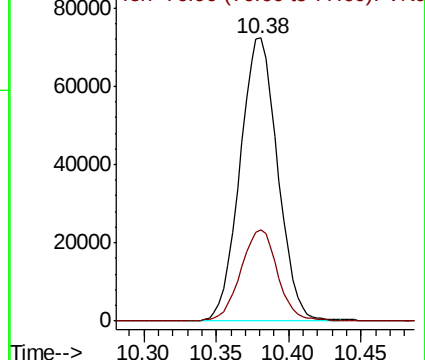
75 100

77 31.9 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.497 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

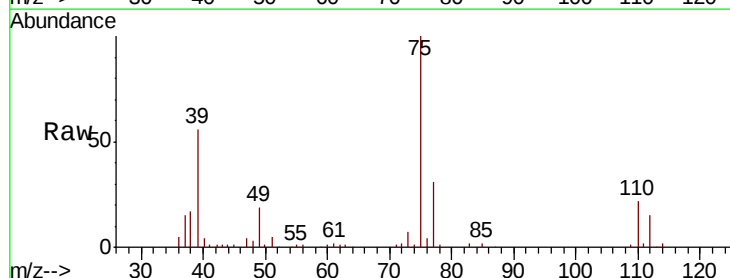
Tgt Ion: 75 Resp: 147102

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

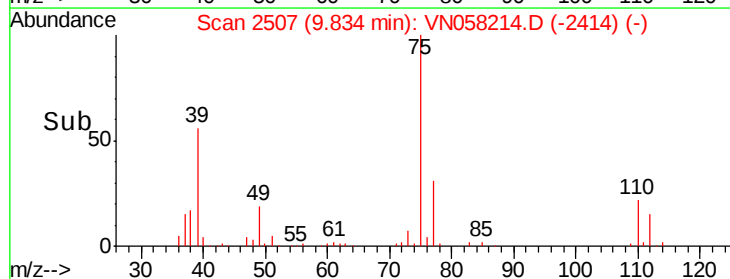
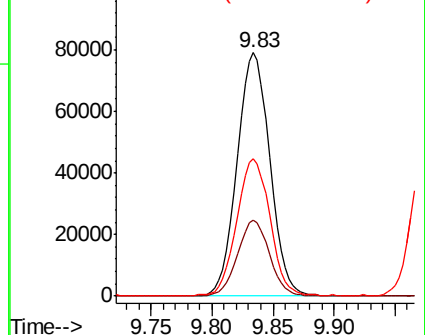
39 55.9 45.0 67.6

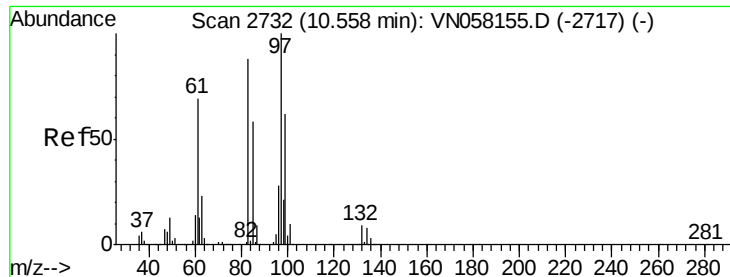


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.183 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 103324

Ion	Ratio	Lower	Upper
97	100		
83	87.0	70.4	105.6
85	55.4	46.8	70.2
99	59.9	49.9	74.9

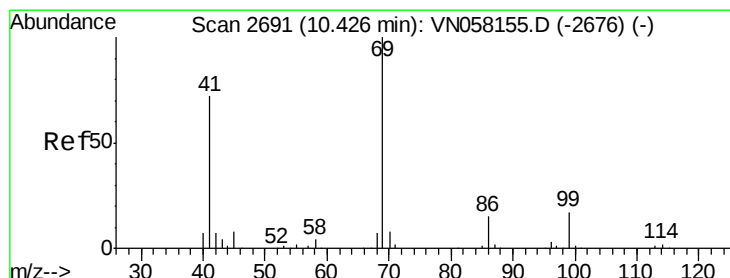
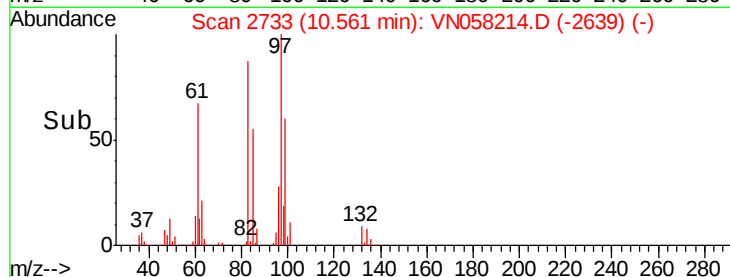
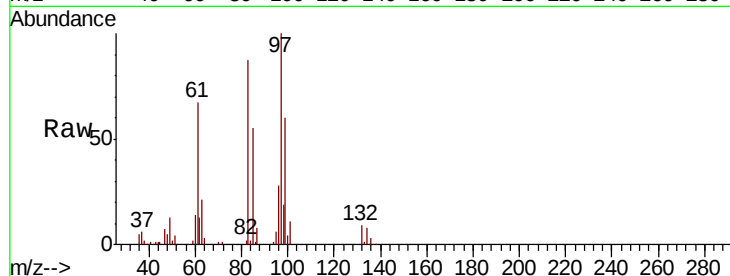
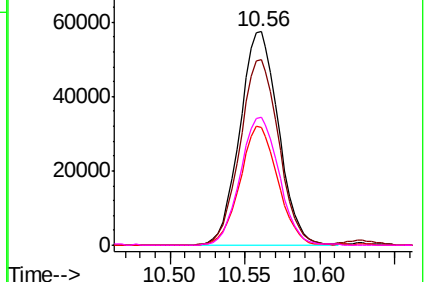
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 20.768 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Tgt Ion: 69 Resp: 146160

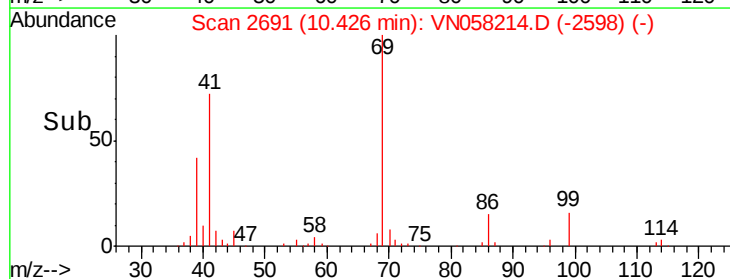
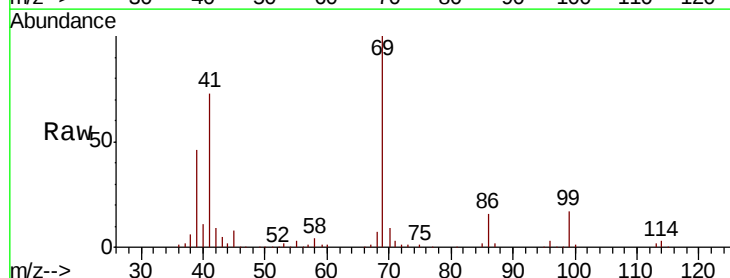
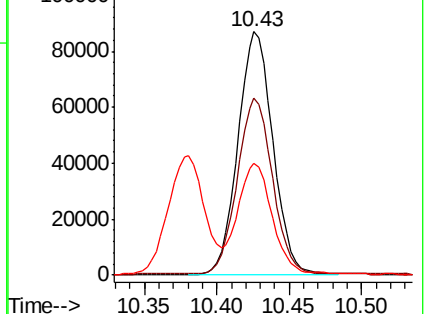
Ion	Ratio	Lower	Upper
69	100		
41	71.7	57.5	86.3
39	44.8	36.1	54.1

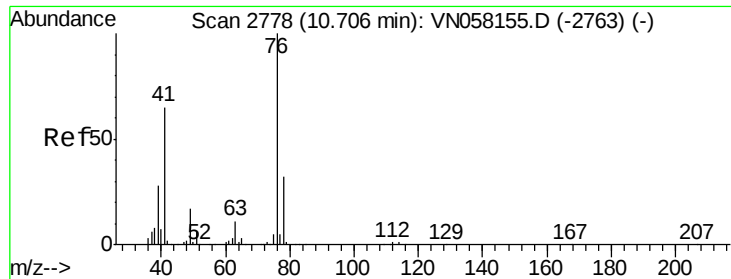
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.085 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

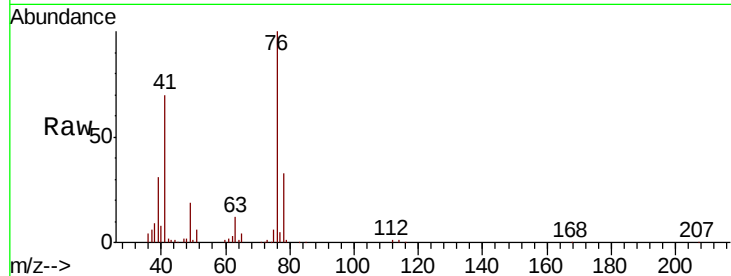
ClientSampled :

Tot Ion: 76 Resp: 168421

Ion Ratio Lower Upper

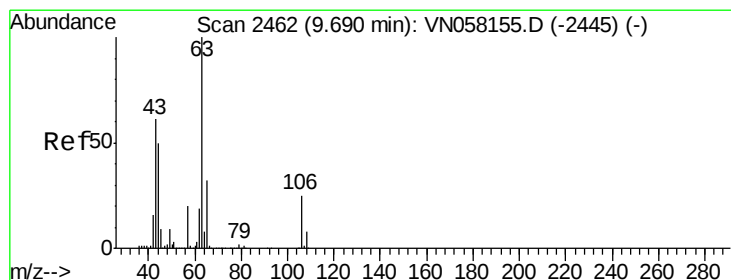
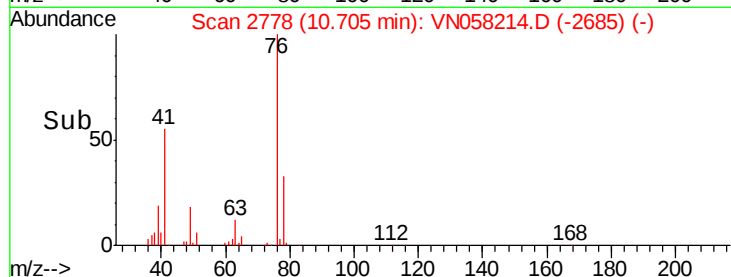
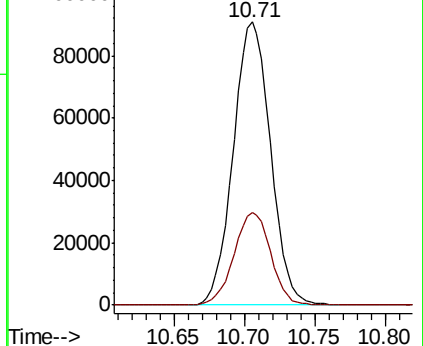
76 100

78 32.2 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 118.126 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058214.D

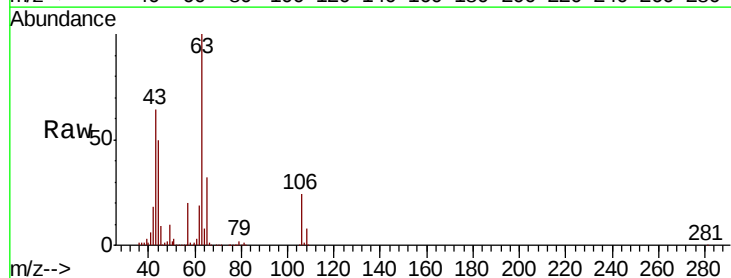
Acq: 19 Sep 2019 19:16

Tgt Ion: 63 Resp: 395993

Ion Ratio Lower Upper

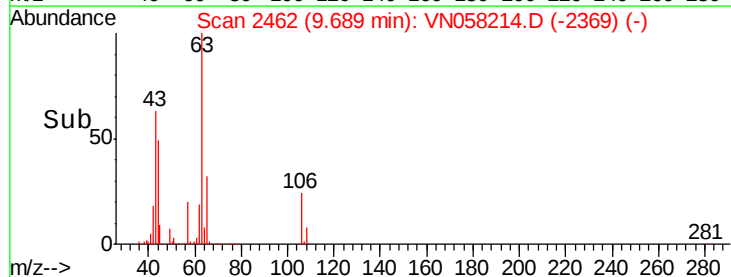
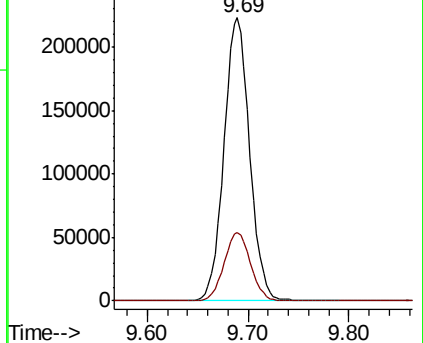
63 100

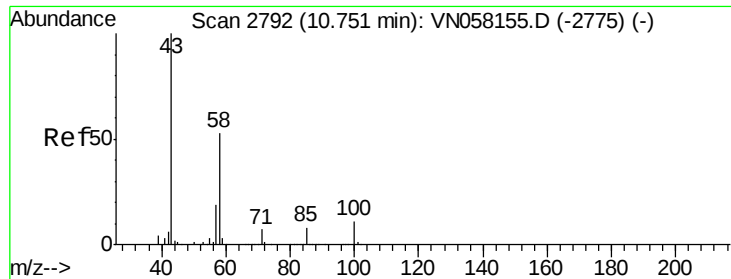
106 24.9 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

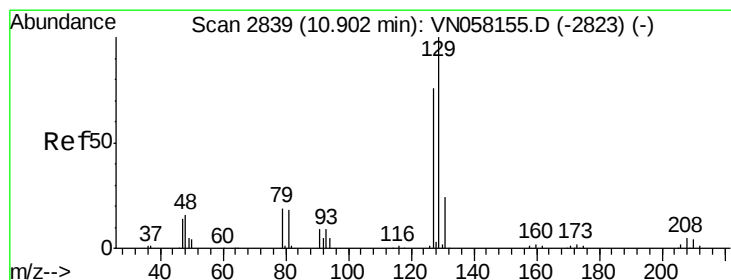
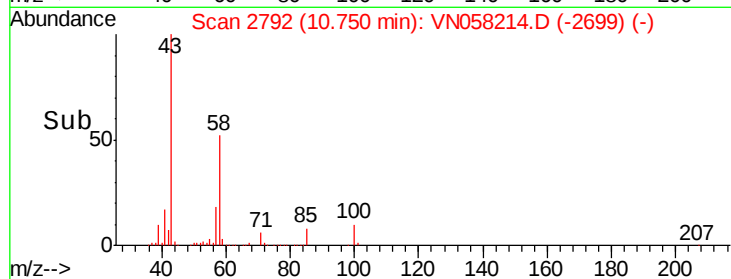
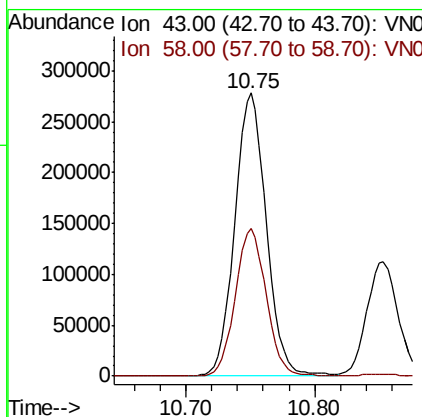
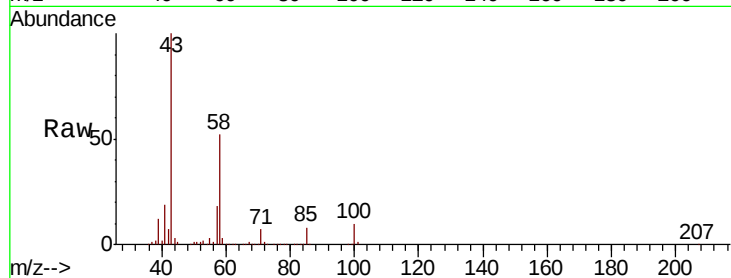




#59
2-Hexanone
Concen: 106.968 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

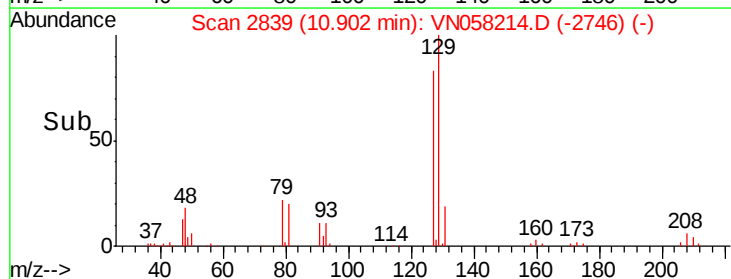
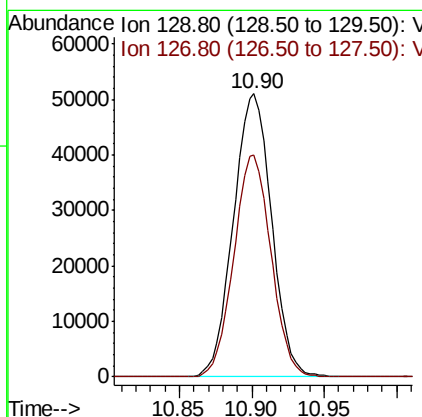
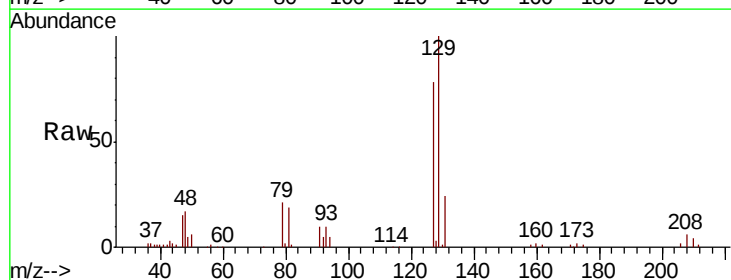
Instrument :
MSVOA_N
ClientSampleId :

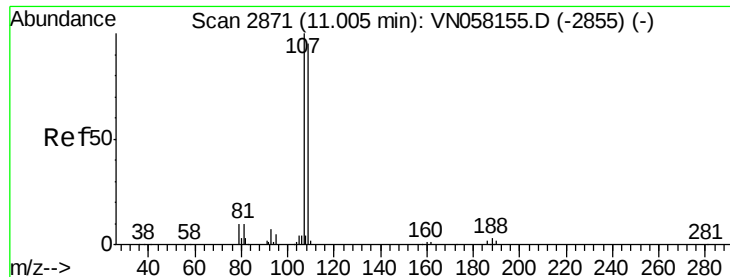
Tot Ion: 43 Resp: 469621
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0



#60
Dibromochloromethane
Concen: 19.975 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 129 Resp: 93735
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1

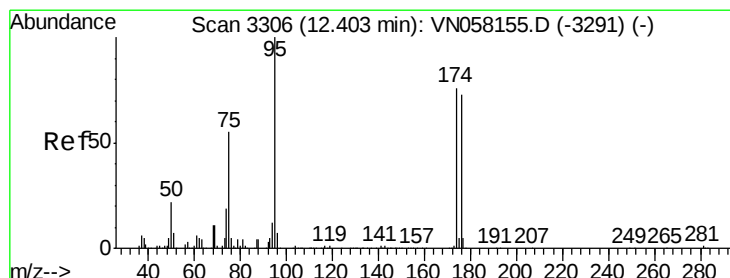
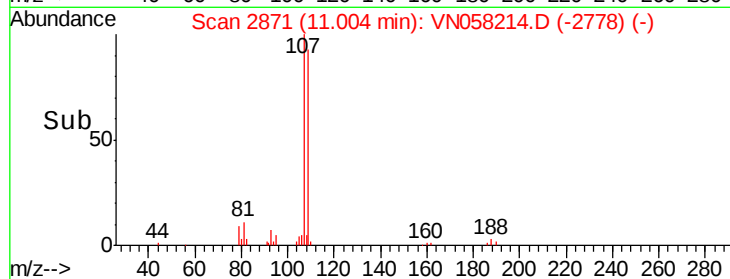
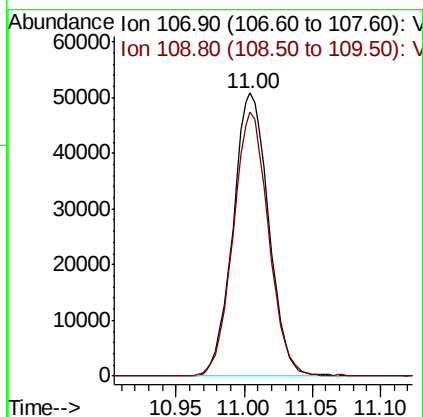
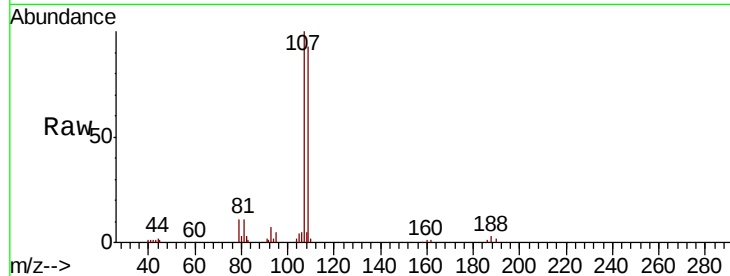




#61
 1,2-Dibromoethane
 Concen: 20.340 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

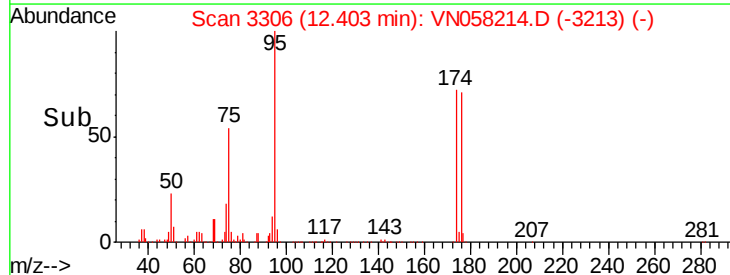
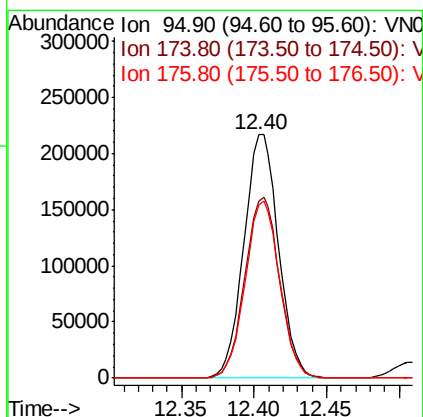
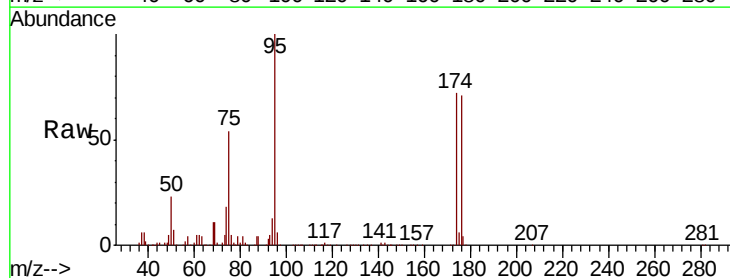
Instrument :
 MSVOA_N
 ClientSampleId :

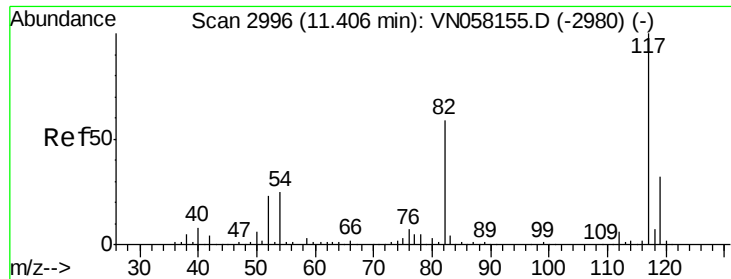
Tot Ion: 107 Resp: 91946
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.475 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 95 Resp: 360618
 Ion Ratio Lower Upper
 95 100
 174 74.5 0.0 152.2
 176 72.8 0.0 148.0

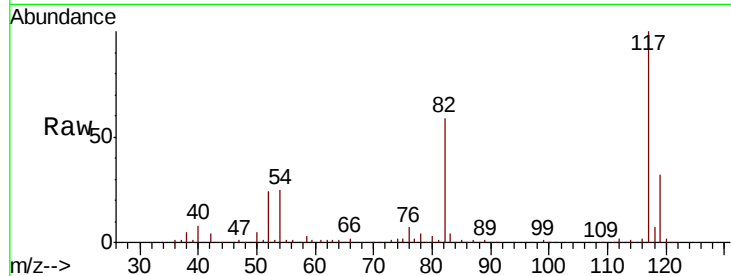




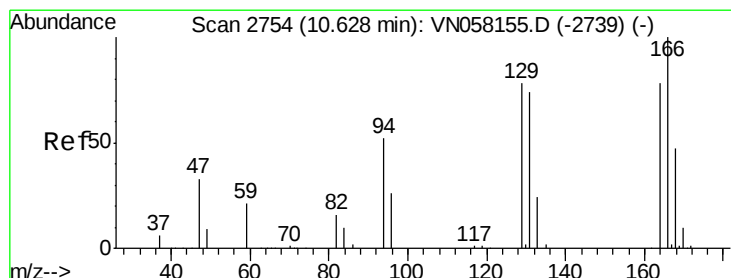
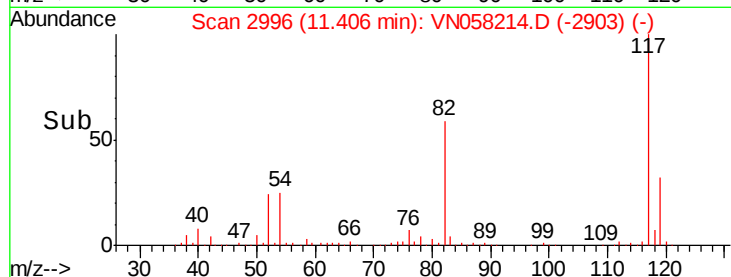
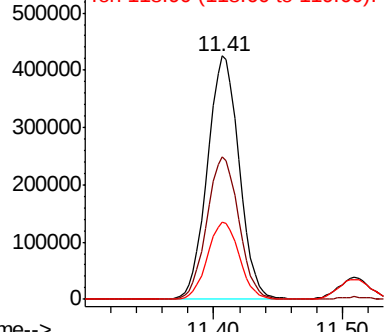
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 727757
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 31.5 25.3 37.9

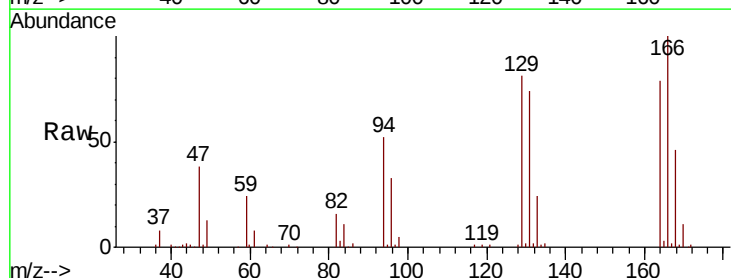


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

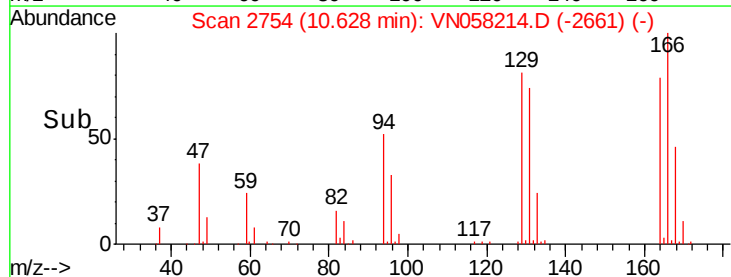
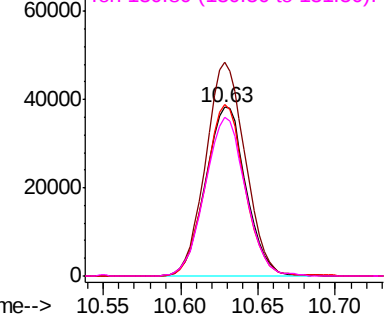


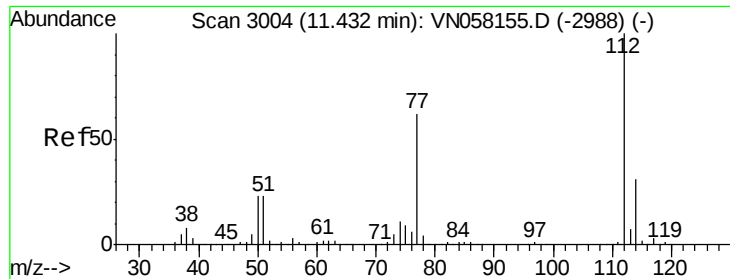
#64
Tetrachloroethene
Concen: 19.588 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:164 Resp: 69492
Ion Ratio Lower Upper
164 100
166 126.7 102.2 153.4
129 102.0 79.6 119.4
131 94.1 76.0 114.0



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

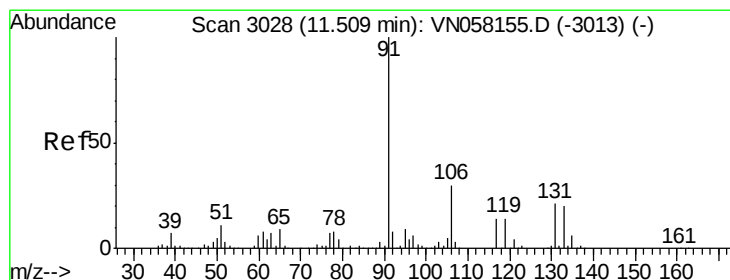
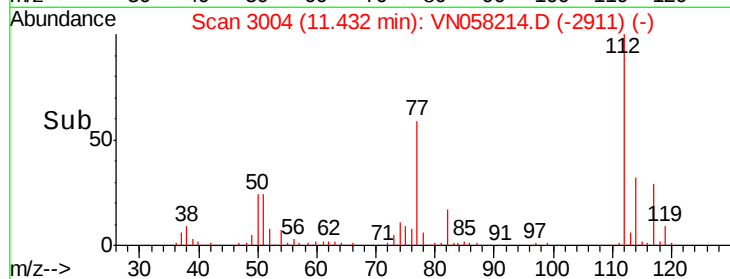
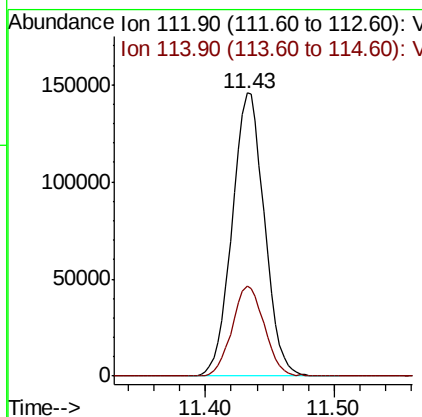
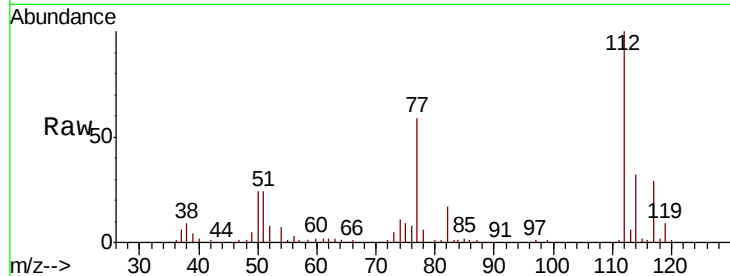




#65
Chlorobenzene
Concen: 19.812 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

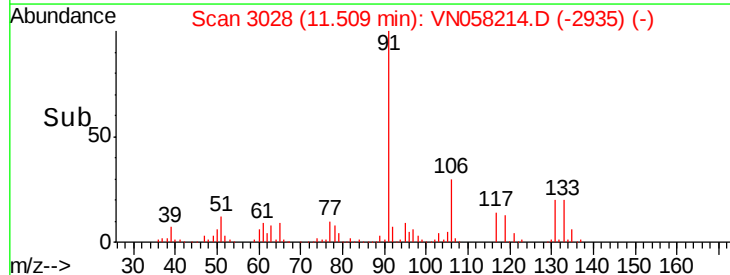
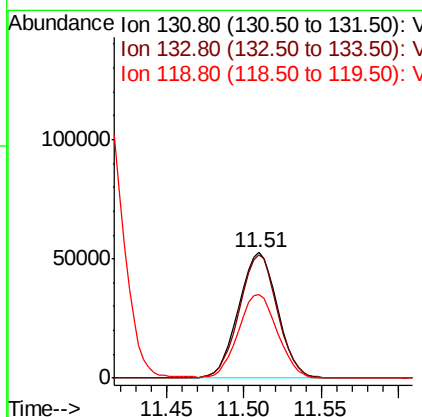
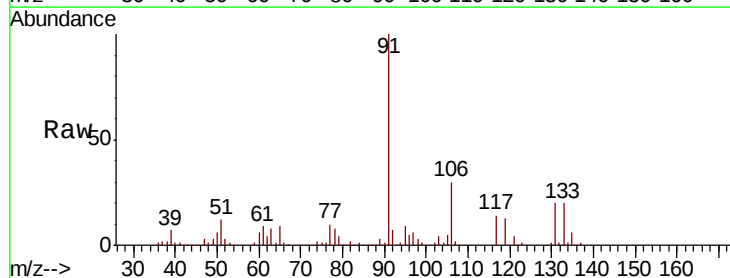
Instrument :
MSVOA_N
ClientSampled :

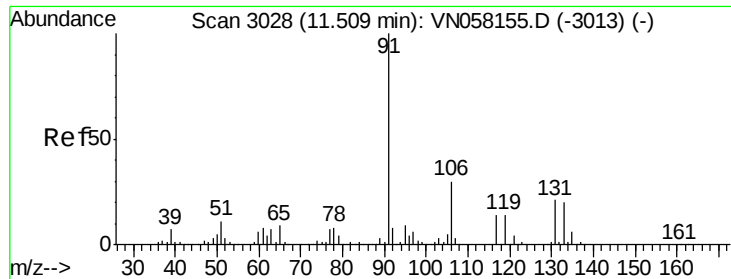
Tot Ion:112 Resp: 253604
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.939 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:131 Resp: 92547
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 67.1 33.1 99.3





#67

Ethyl Benzene

Concen: 20.215 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

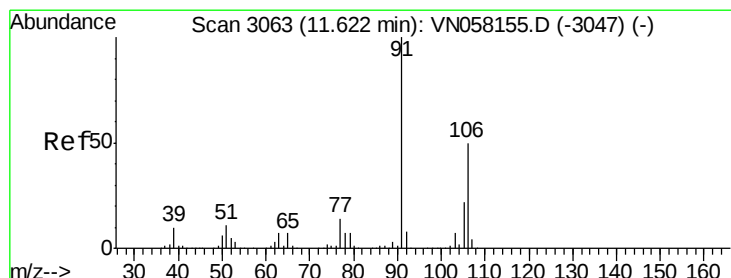
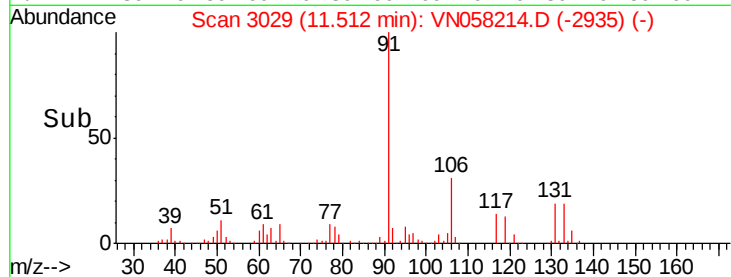
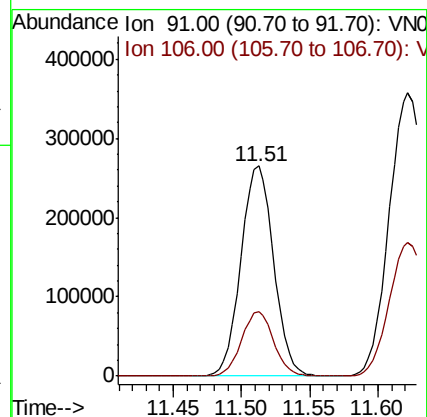
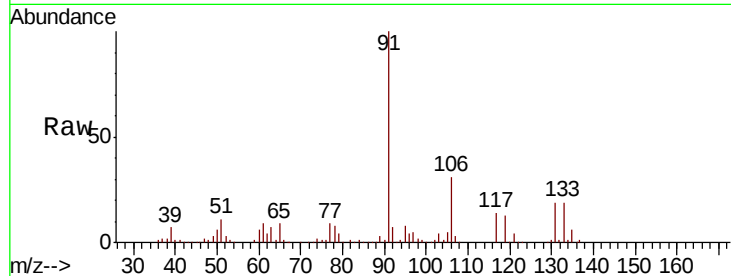
ClientSampled :

Tot Ion: 91 Resp: 443389

Ion Ratio Lower Upper

91 100

106 30.9 24.0 36.0



#68

m/p-Xylenes

Concen: 39.041 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058214.D

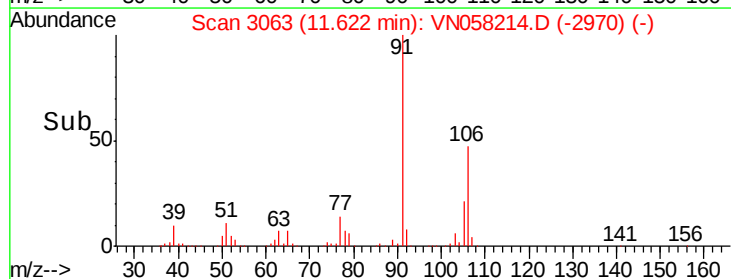
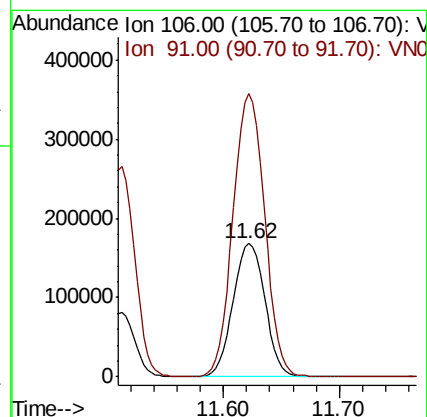
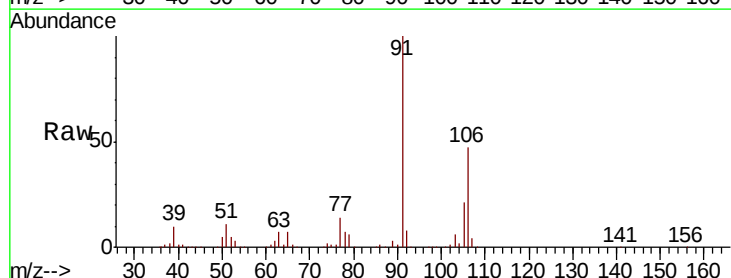
Acq: 19 Sep 2019 19:16

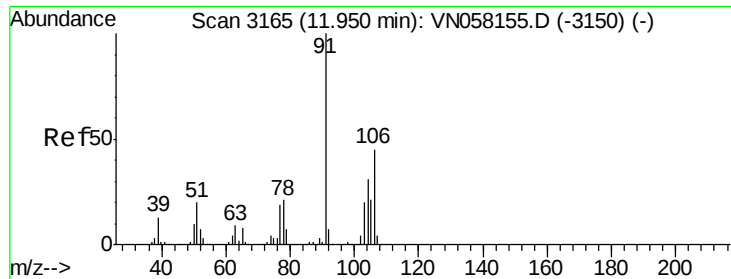
Tgt Ion: 106 Resp: 322515

Ion Ratio Lower Upper

106 100

91 210.6 163.6 245.4

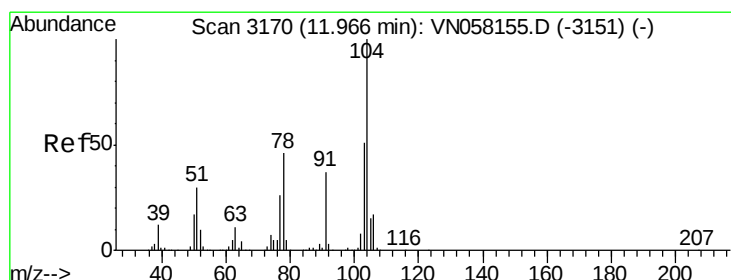
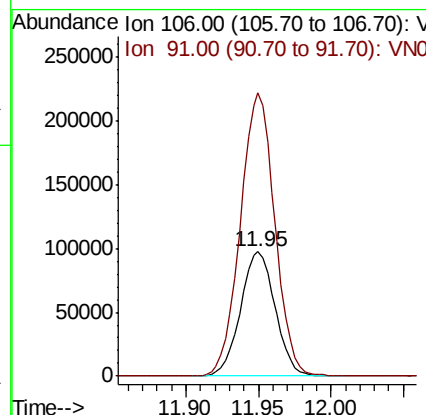
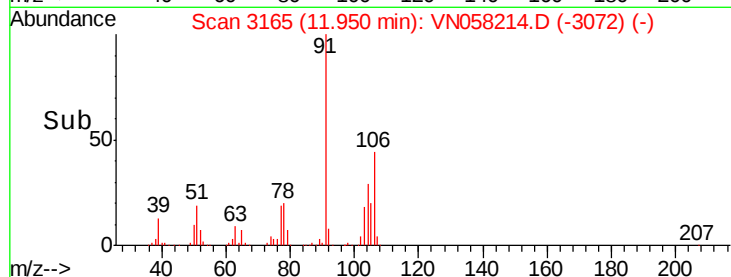
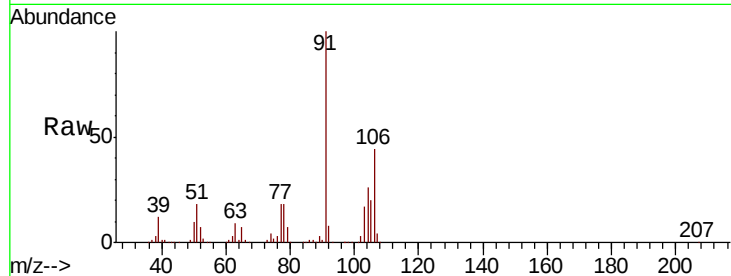




#69
o-Xylene
Concen: 19.884 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

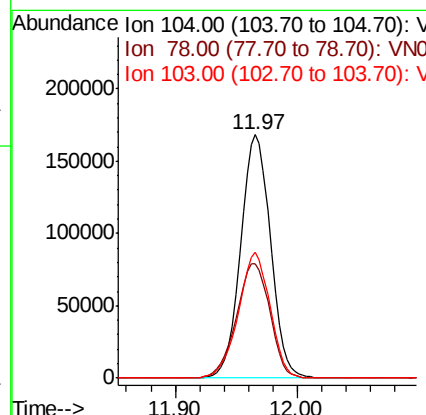
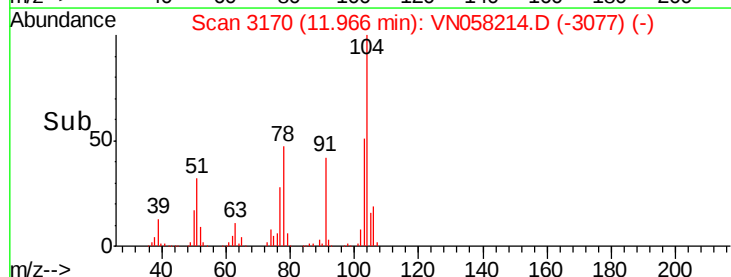
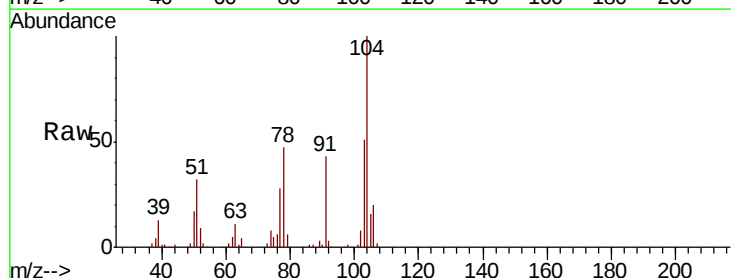
Instrument :
MSVOA_N
ClientSampled :

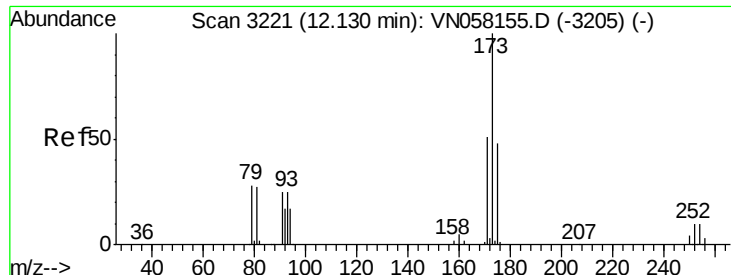
Tot Ion:106 Resp: 161512
Ion Ratio Lower Upper
106 100
91 226.2 111.8 335.3



#70
Styrene
Concen: 20.315 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:104 Resp: 284317
Ion Ratio Lower Upper
104 100
78 53.3 41.8 62.8
103 55.0 44.2 66.2

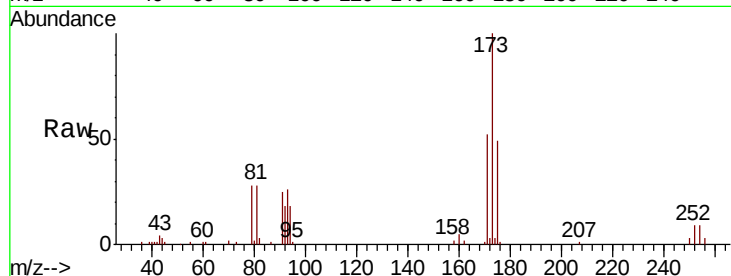




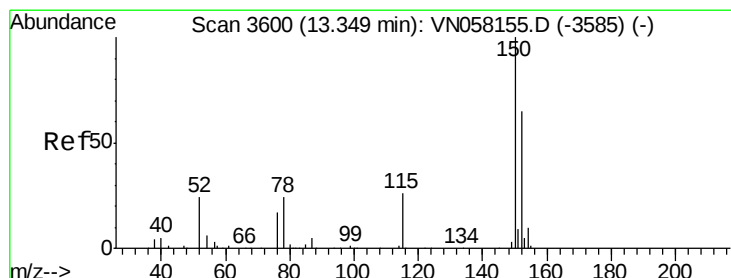
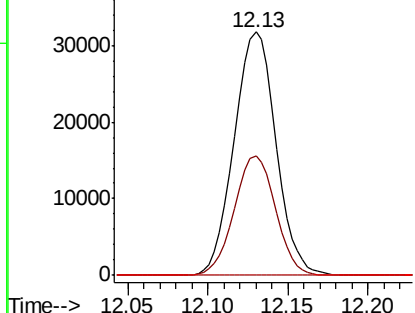
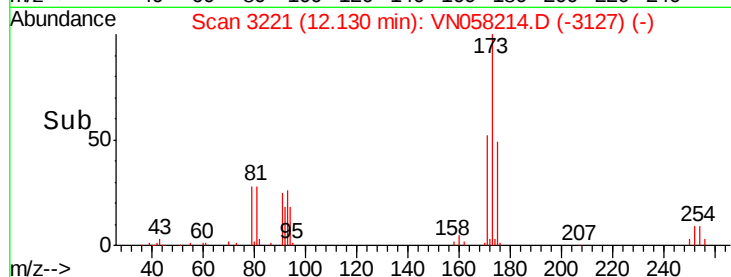
#71
Bromoform
Concen: 18.867 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 56626
Ion Ratio Lower Upper
173 100
175 48.3 24.2 72.6
254 0.0 0.1 0.1#

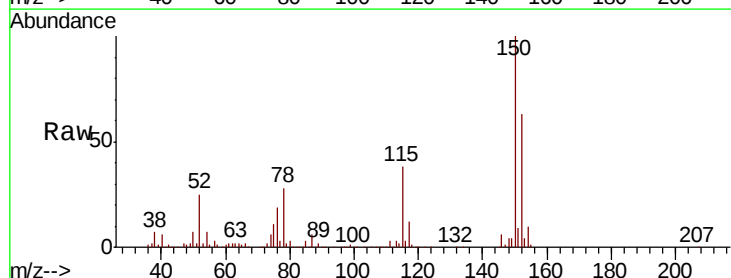


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

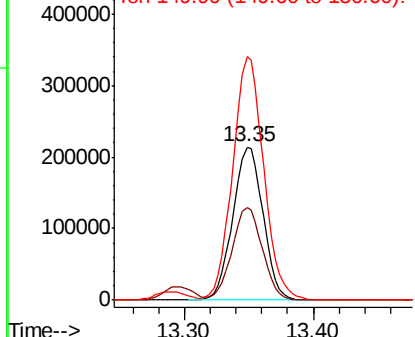
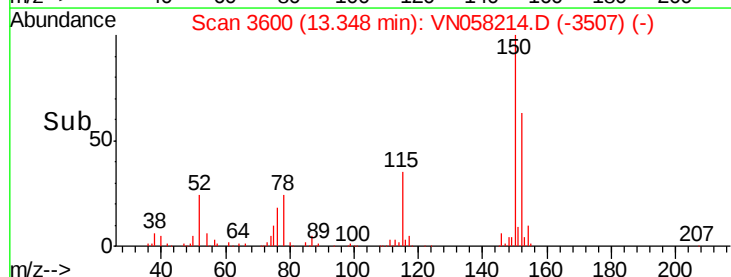


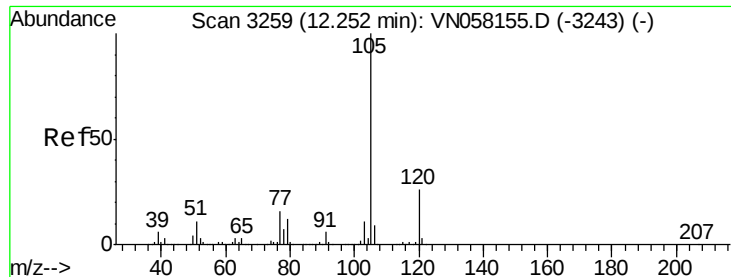
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:152 Resp: 348925
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.3
150 162.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.940 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

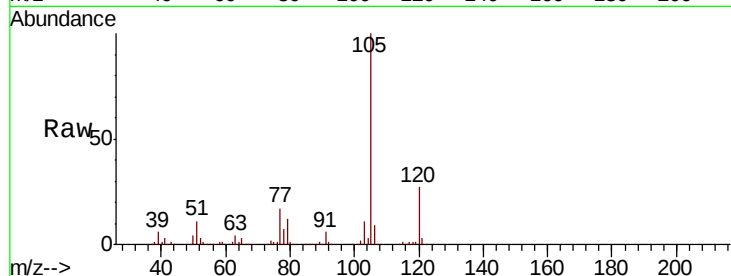
ClientSampleId :

Tot Ion:105 Resp: 457336

Ion Ratio Lower Upper

105 100

120 26.1 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

250000

200000

150000

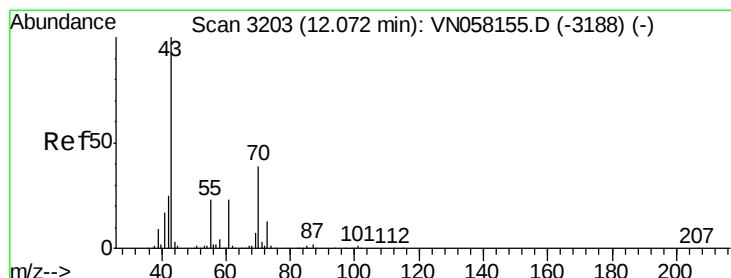
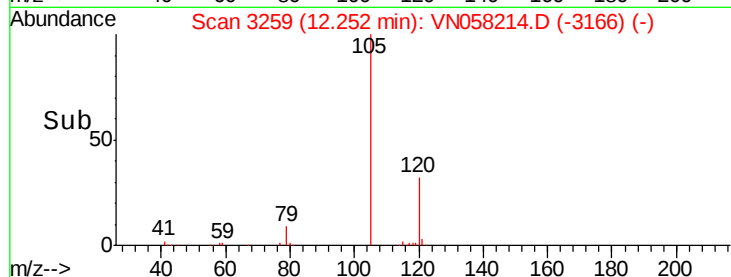
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 21.132 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Tgt Ion: 43 Resp: 193081

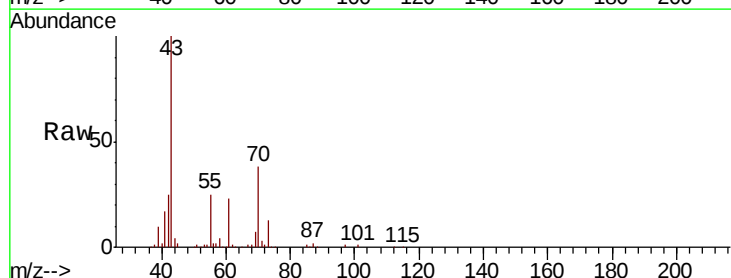
Ion Ratio Lower Upper

43 100

70 38.6 31.0 46.6

55 24.5 18.5 27.7

61 22.9 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

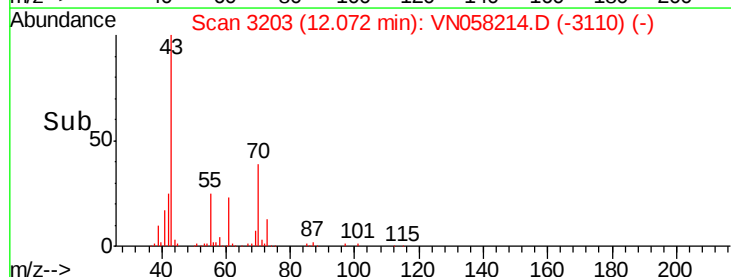
100000

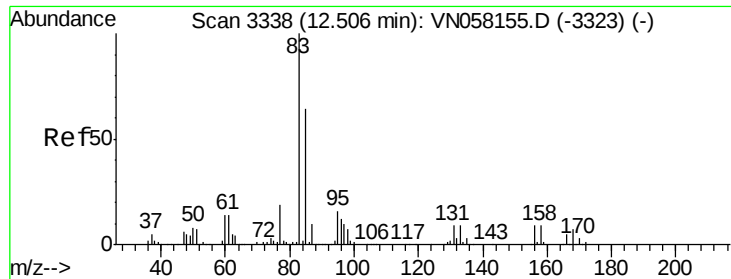
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.741 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

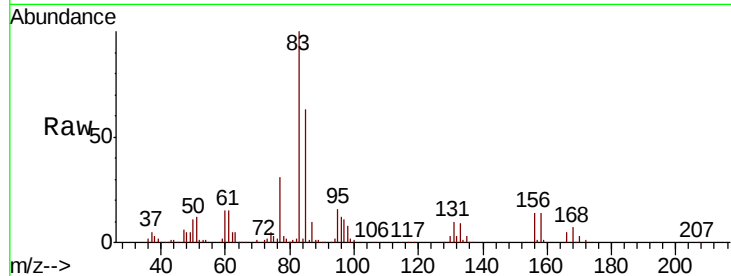
Tot Ion: 83 Resp: 151697

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

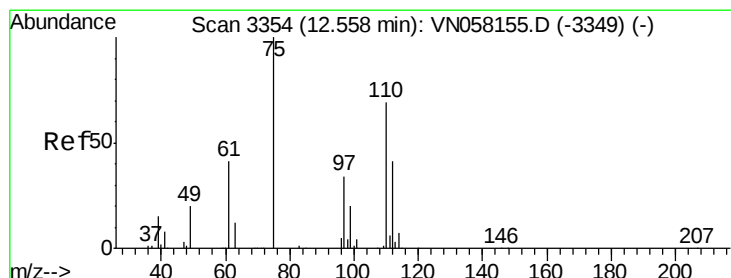
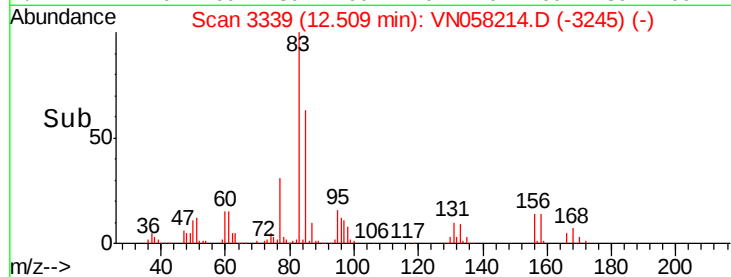
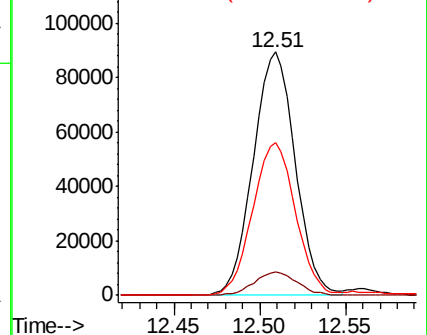
85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 28.864 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058214.D

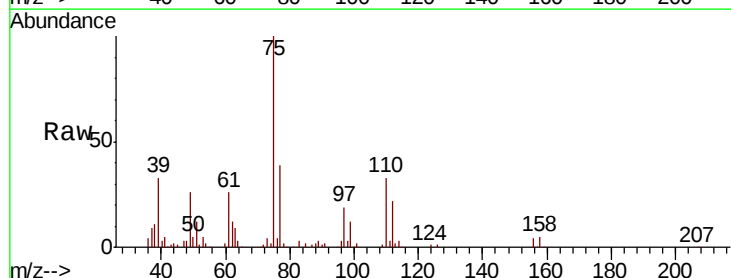
Acq: 19 Sep 2019 19:16

Tgt Ion: 75 Resp: 180248

Ion Ratio Lower Upper

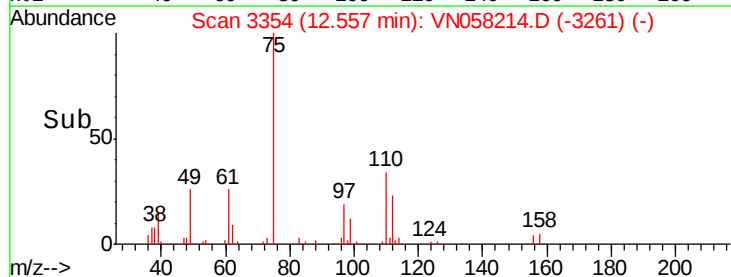
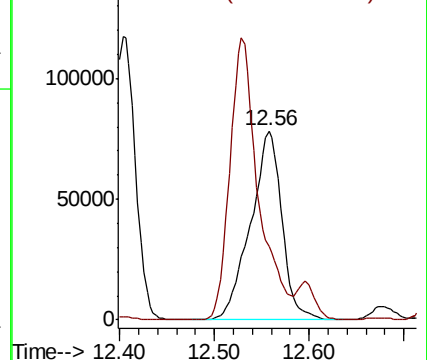
75 100

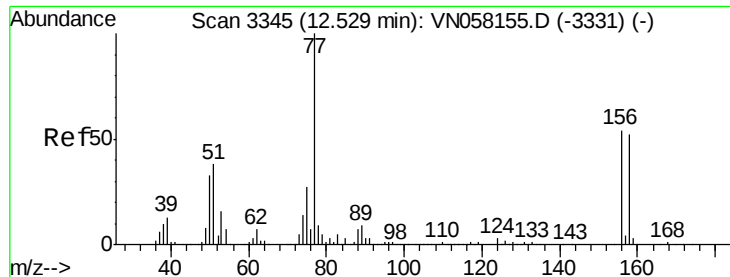
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampled :

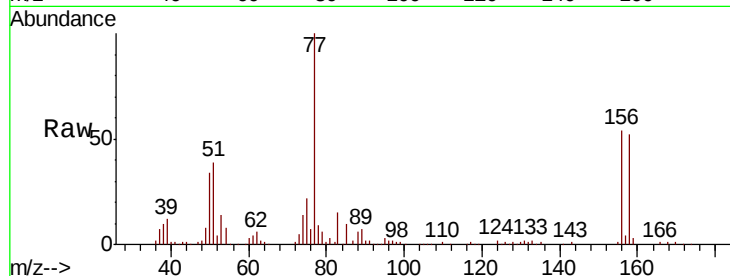
Tot Ion:156 Resp: 107398

Ion Ratio Lower Upper

156 100

77 229.3 111.7 335.1

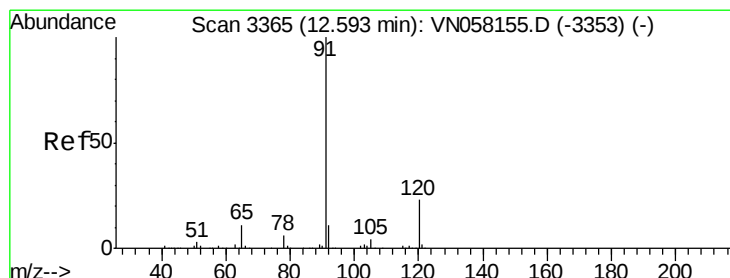
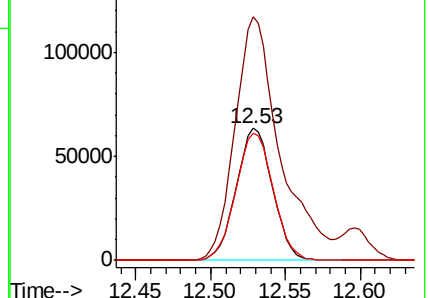
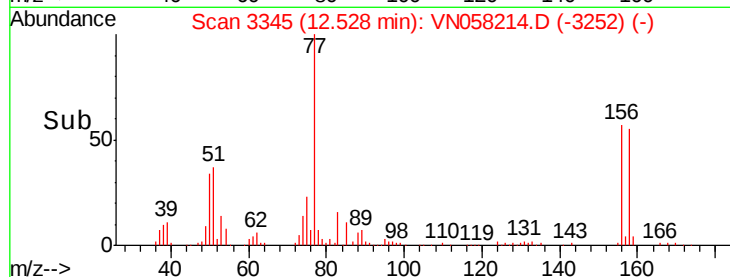
158 99.2 47.9 143.8



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: 21.595 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058214.D

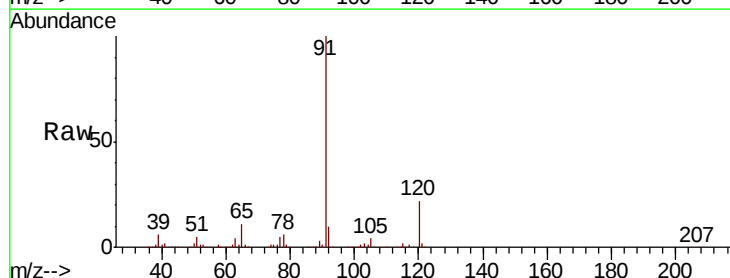
Acq: 19 Sep 2019 19:16

Tgt Ion: 91 Resp: 535956

Ion Ratio Lower Upper

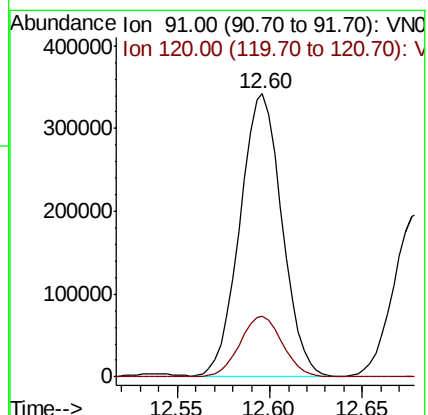
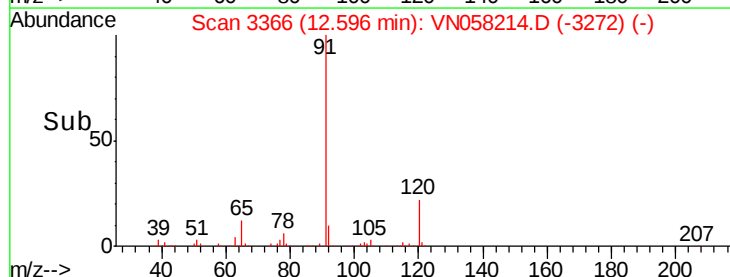
91 100

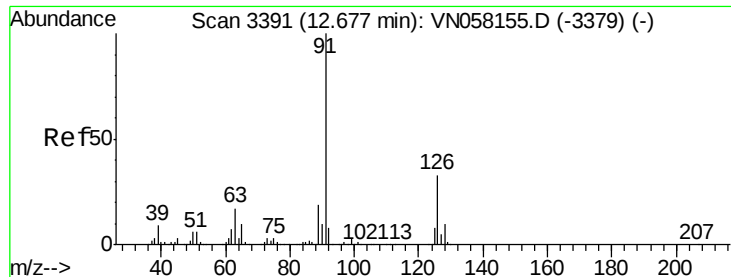
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

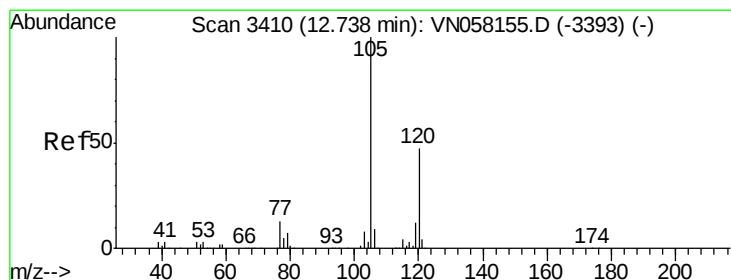
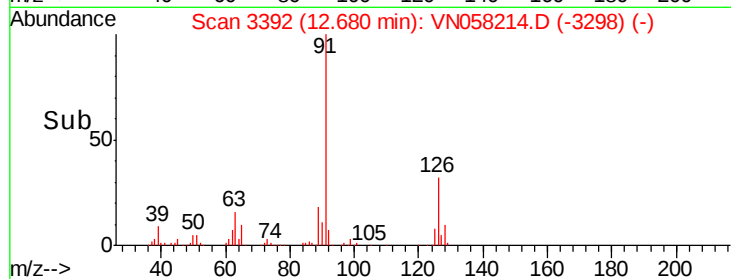
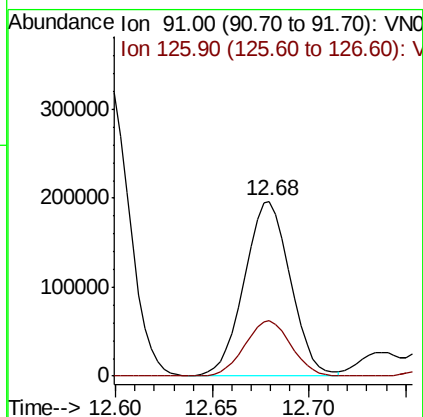
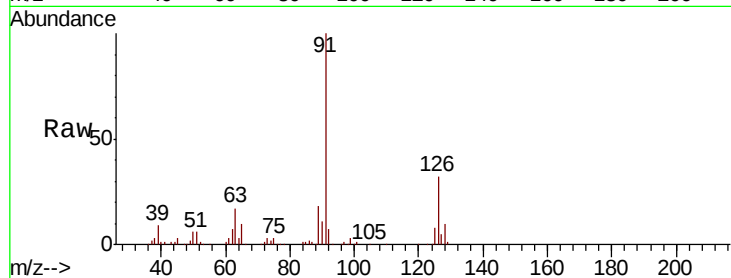




#79
 2-Chlorotoluene
 Concen: 20.905 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

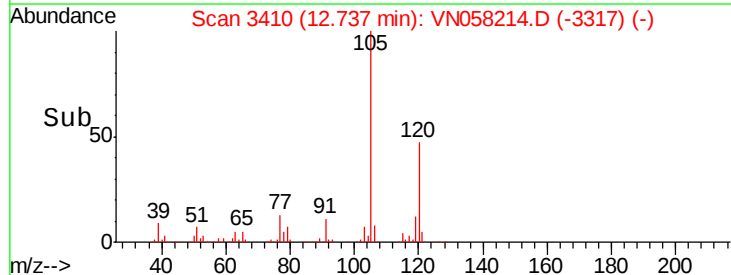
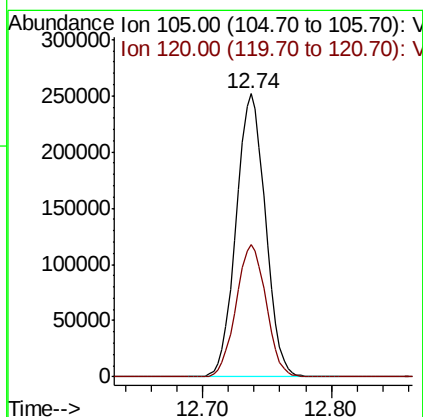
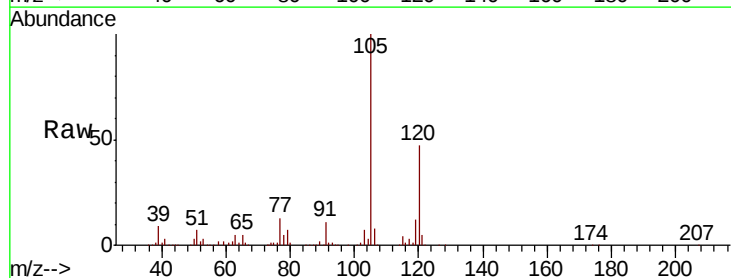
Instrument :
 MSVOA_N
 ClientSampleId :

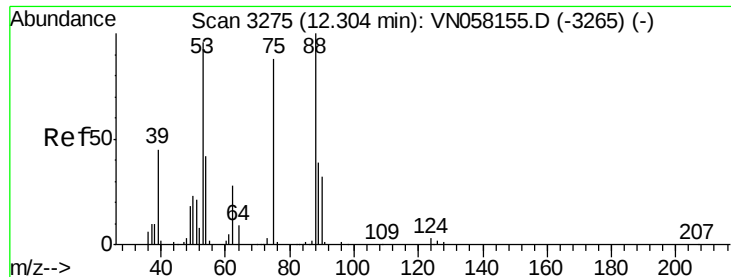
Tot Ion: 91 Resp: 324253
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 21.417 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 105 Resp: 395543
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.758 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampled :

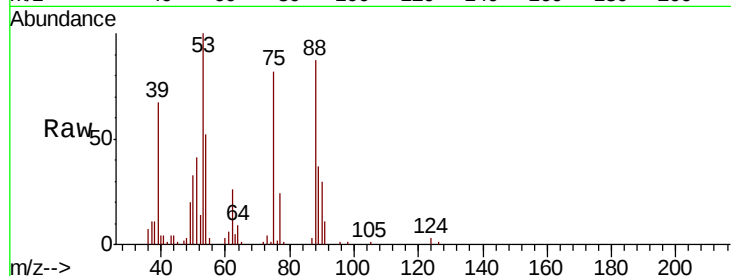
Tot Ion: 75 Resp: 33161

Ion Ratio Lower Upper

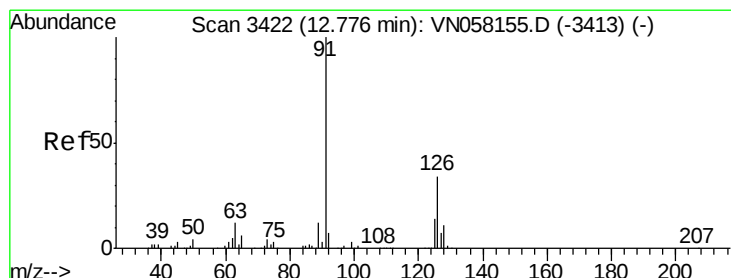
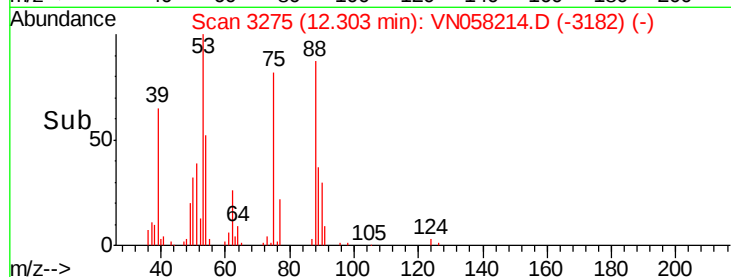
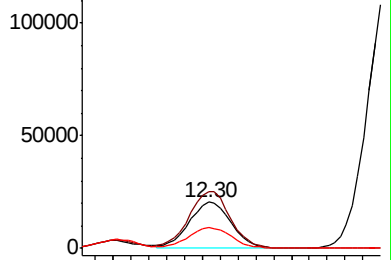
75 100

53 121.6 90.1 135.1

89 46.2 36.2 54.2



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 20.515 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058214.D

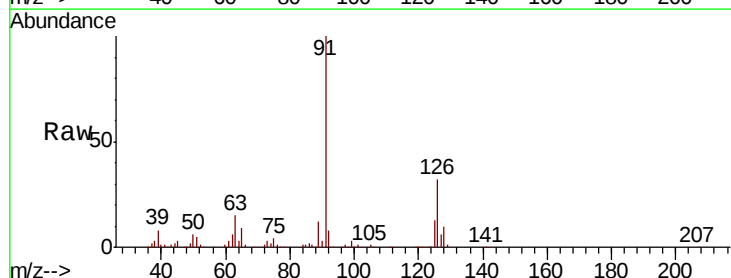
Acq: 19 Sep 2019 19:16

Tgt Ion: 91 Resp: 334485

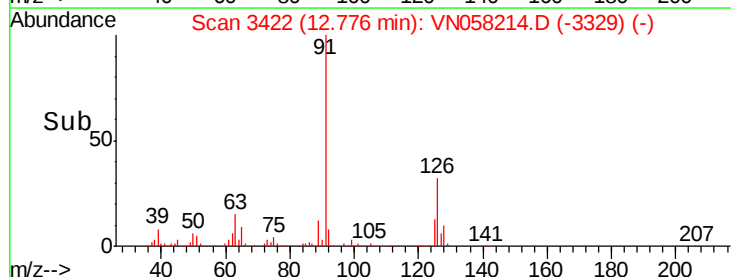
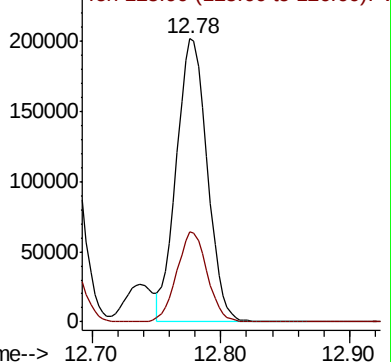
Ion Ratio Lower Upper

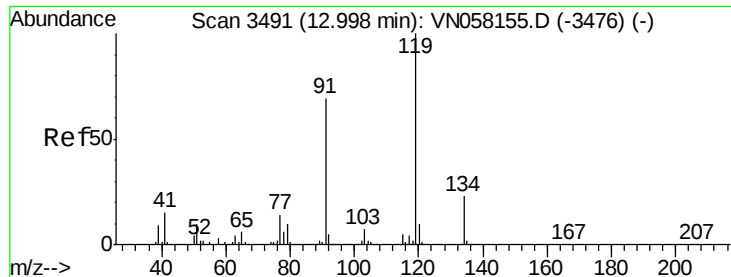
91 100

126 31.4 15.7 47.1



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

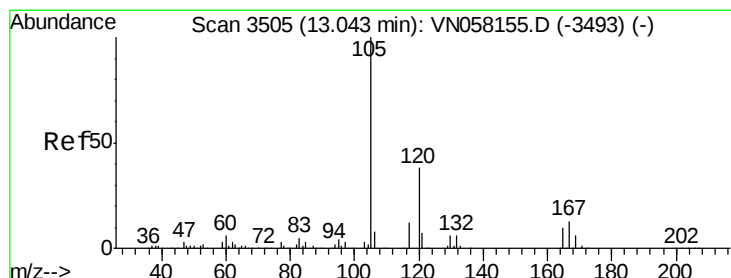
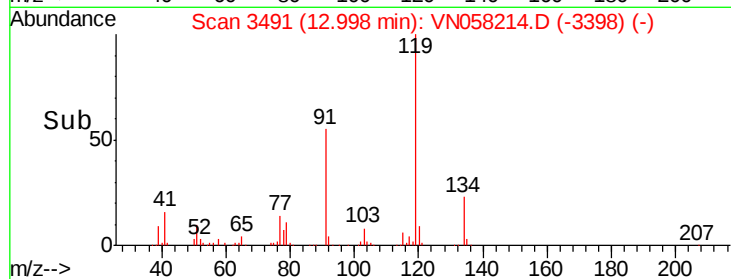
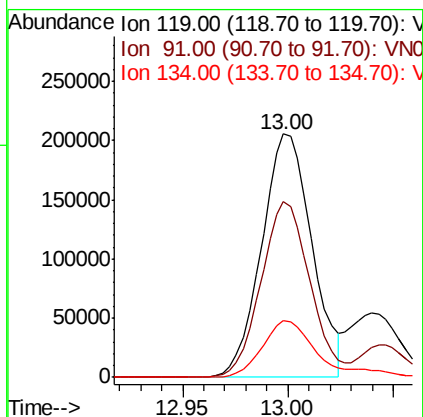
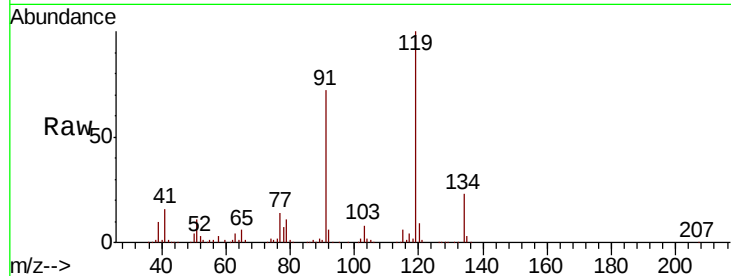




#83
tert-Butylbenzene
Concen: 20.722 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

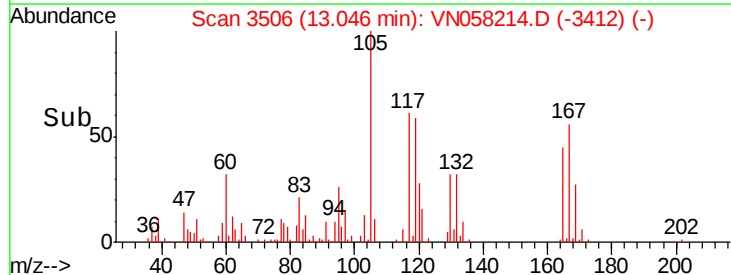
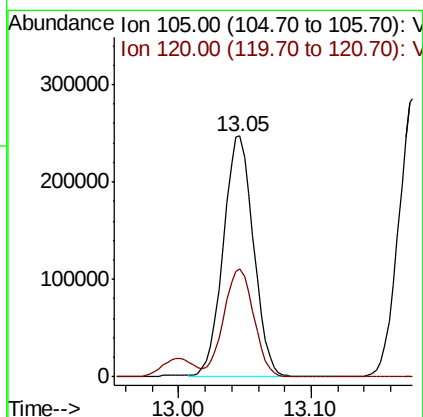
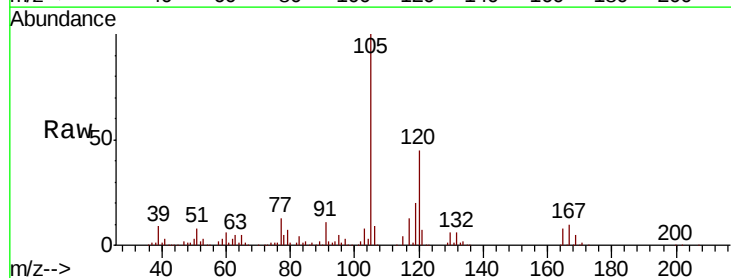
Instrument :
MSVOA_N
ClientSampled :

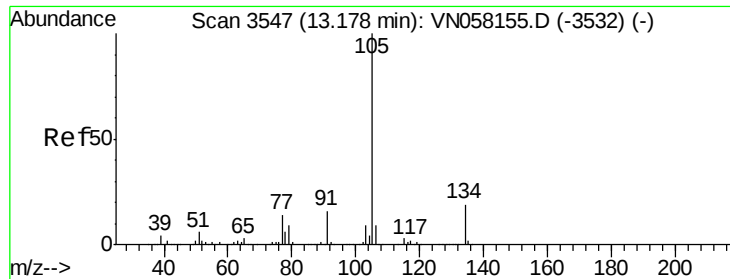
Tot Ion:119 Resp: 341292
Ion Ratio Lower Upper
119 100
91 70.0 33.8 101.3
134 23.3 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.260 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:105 Resp: 390741
Ion Ratio Lower Upper
105 100
120 44.8 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.490 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

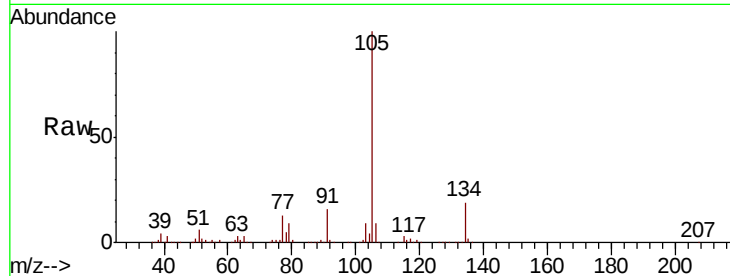
ClientSampleId :

Tot Ion:105 Resp: 462827

Ion Ratio Lower Upper

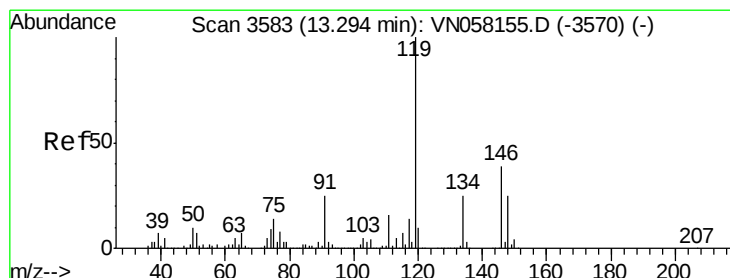
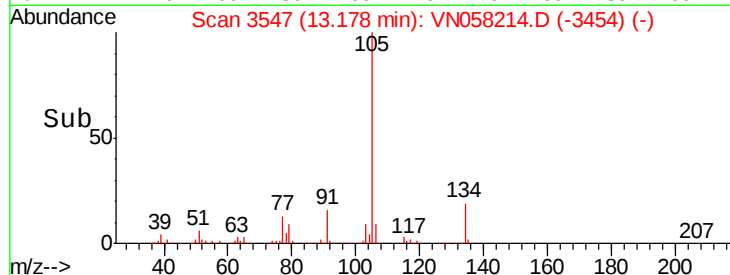
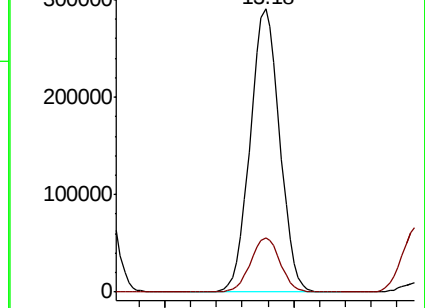
105 100

134 19.1 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.417 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

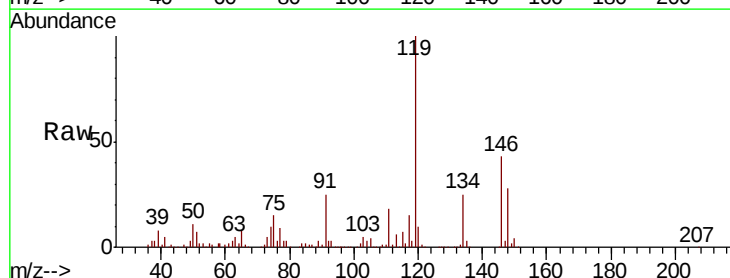
Tgt Ion:119 Resp: 410073

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

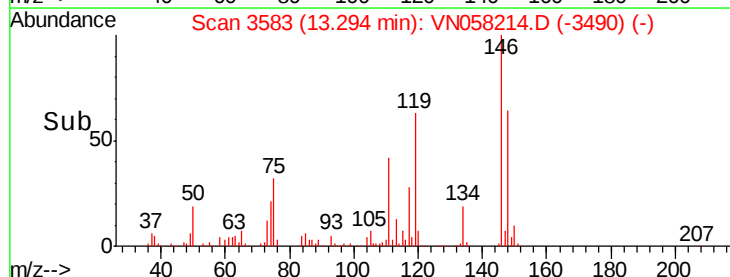
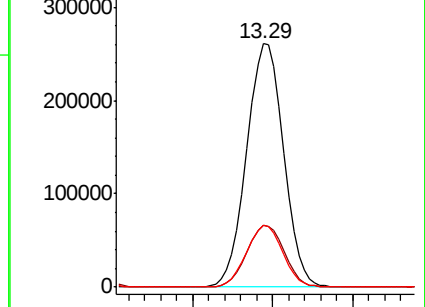
91 24.9 12.3 36.8

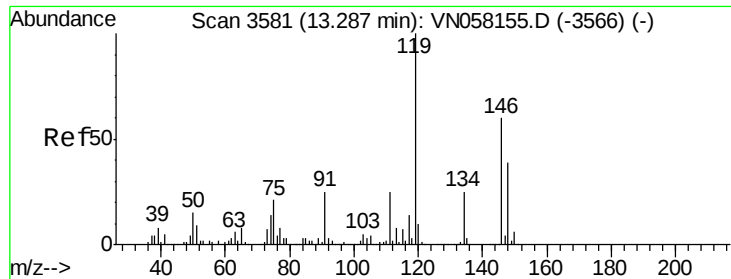


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

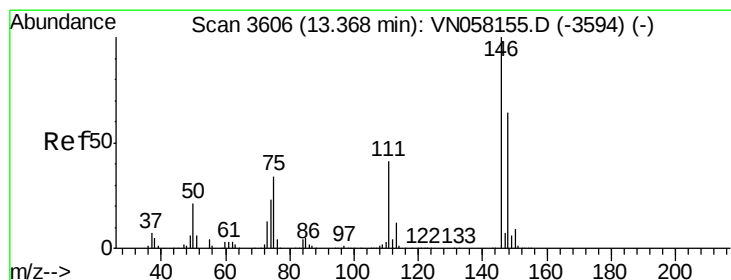
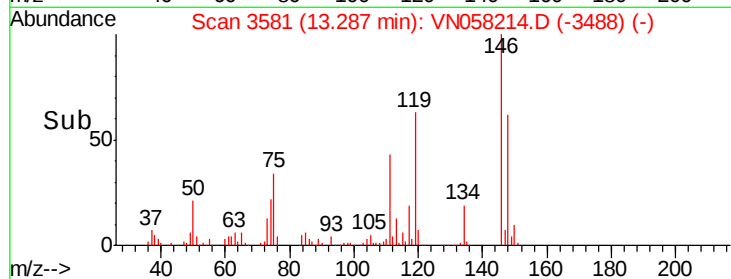
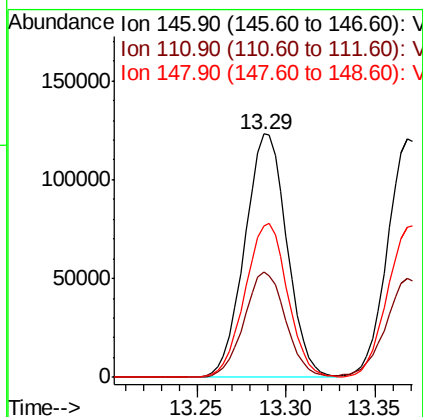
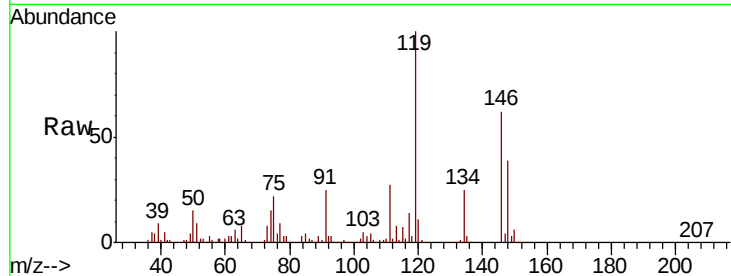




#87
 1,3-Dichlorobenzene
 Concen: 20.326 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

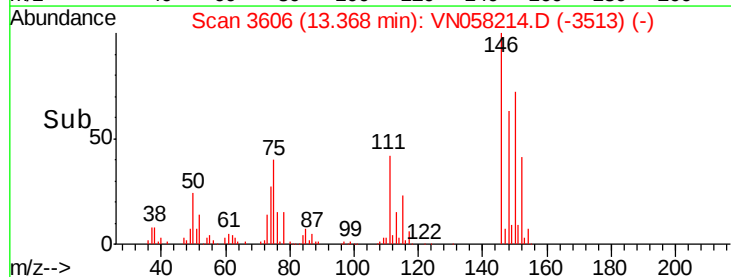
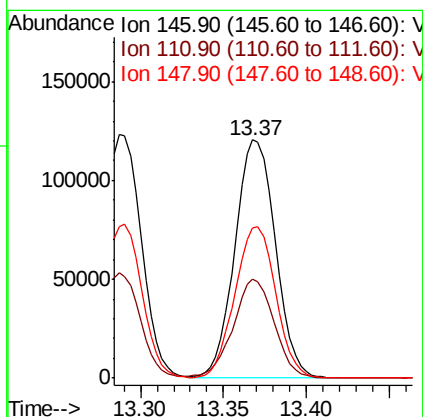
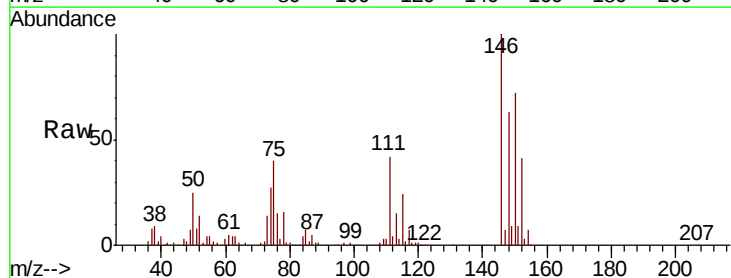
Instrument :
 MSVOA_N
 ClientSampleId :

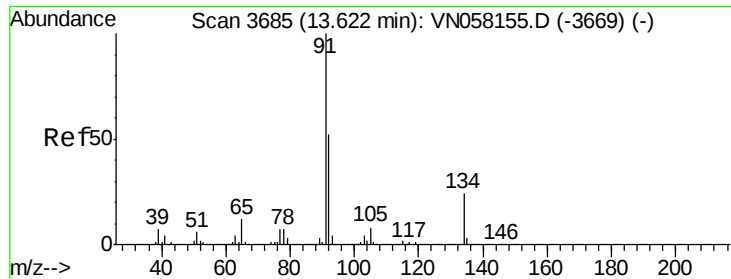
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.9	62.8
148	63.4	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.986 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.5	61.5
148	64.3	31.9	95.5





#89

n-Butylbenzene

Concen: 20.607 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

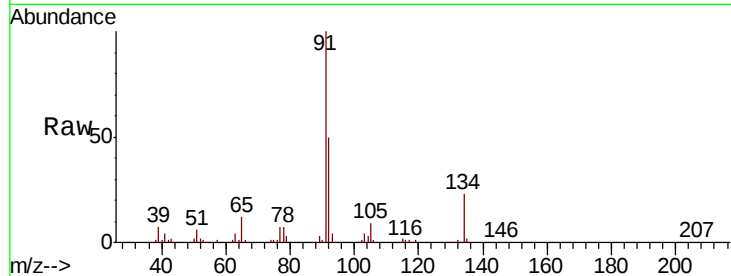
Tot Ion: 91 Resp: 374067

Ion Ratio Lower Upper

91 100

92 50.1 25.7 77.0

134 23.6 11.8 35.4

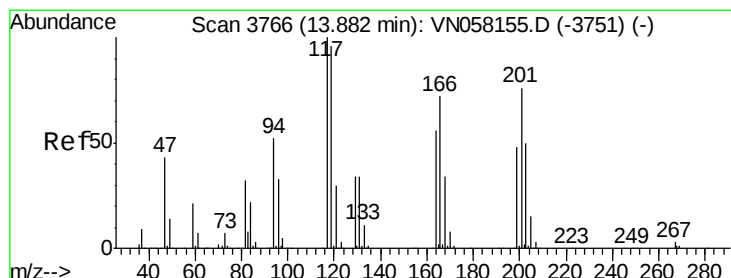
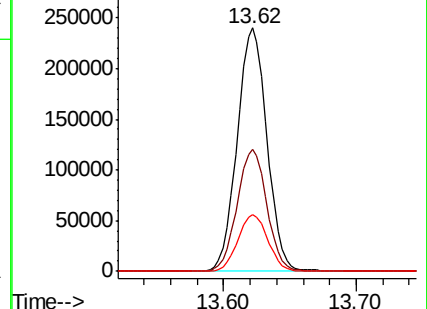
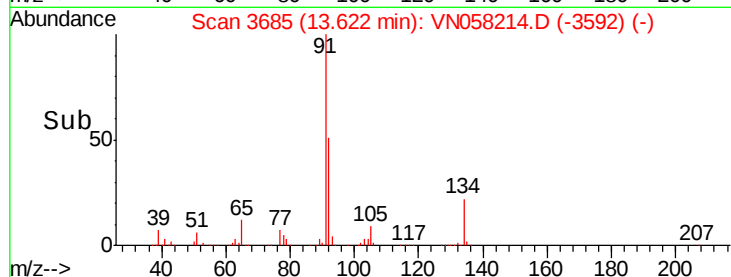


Abundance Ion 91.00 (90.70 to 91.70): VN058214.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058214.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058214.D (-3669) (-)

Time-->



#90

Hexachloroethane

Concen: 19.187 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058214.D

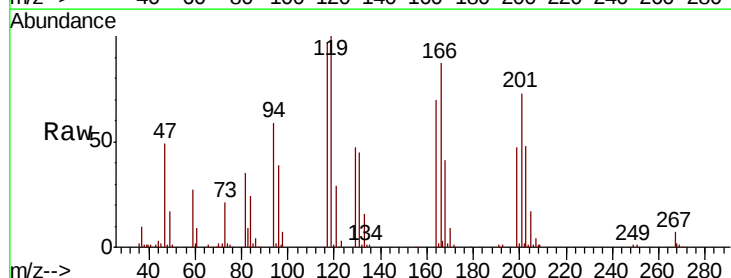
Acq: 19 Sep 2019 19:16

Tgt Ion: 117 Resp: 58230

Ion Ratio Lower Upper

117 100

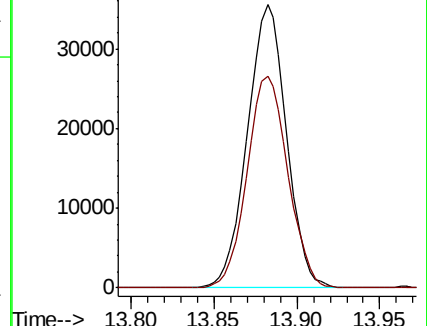
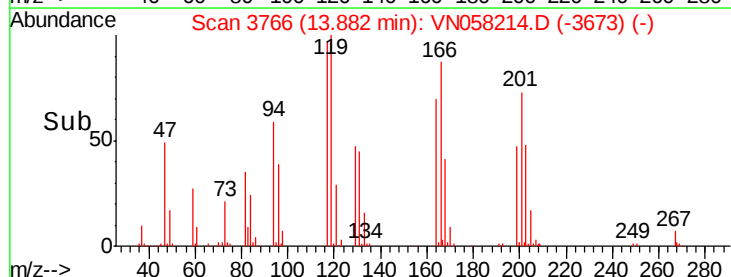
201 77.9 37.5 112.5

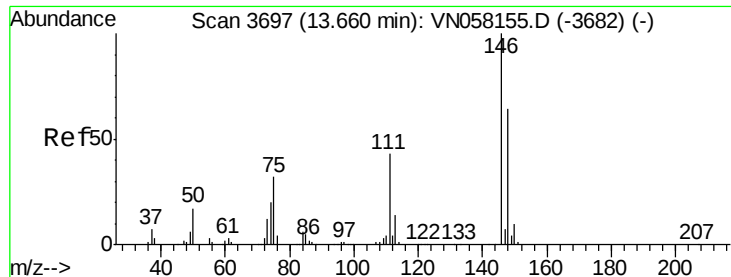


Abundance Ion 116.80 (116.50 to 117.50): VN058214.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058214.D (-3751) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 20.780 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

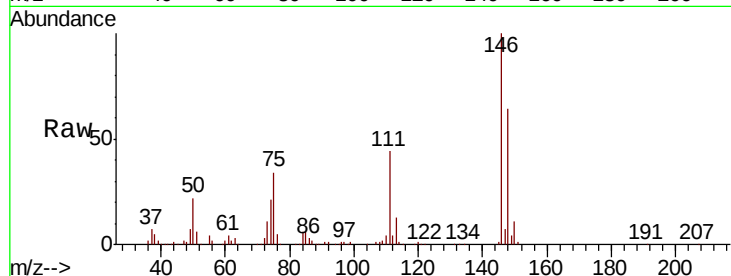
Tot Ion:146 Resp: 209161

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.1

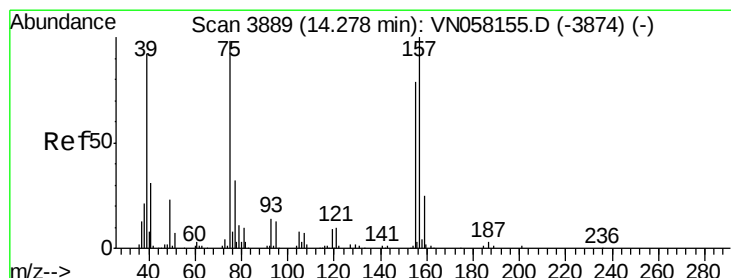
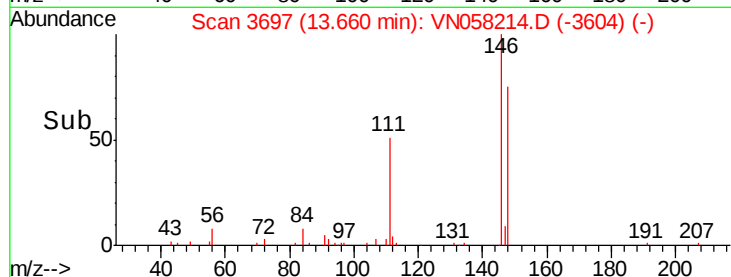
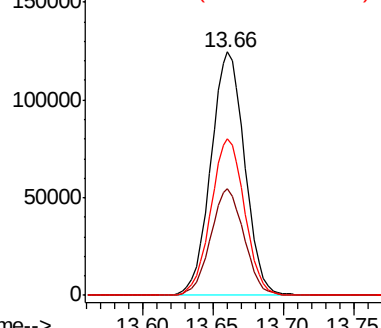
148 64.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.269 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

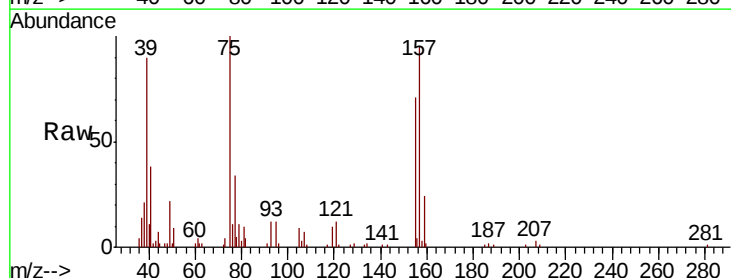
Tgt Ion: 75 Resp: 25372

Ion Ratio Lower Upper

75 100

155 76.0 38.3 114.8

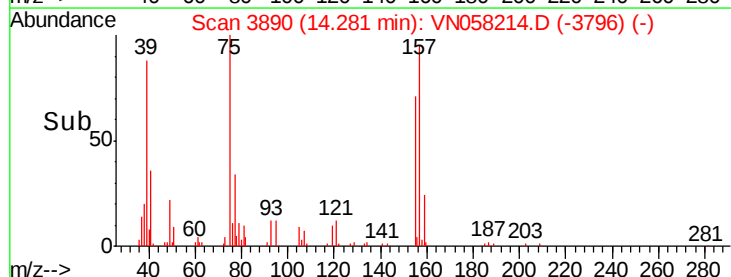
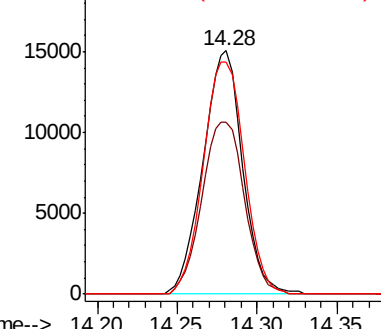
157 98.9 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

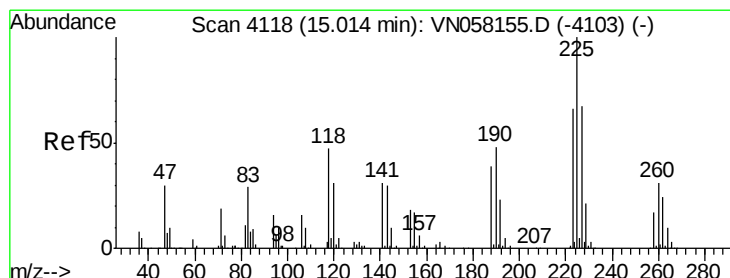
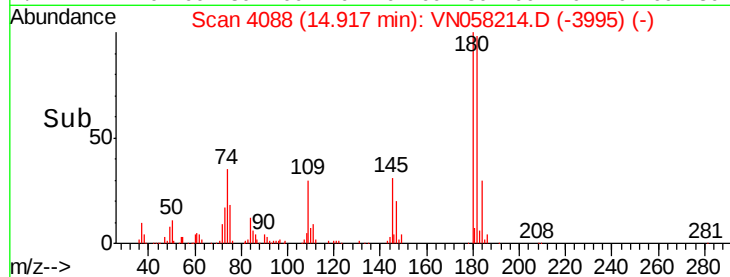
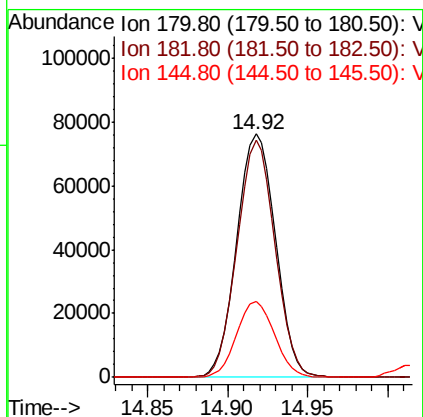
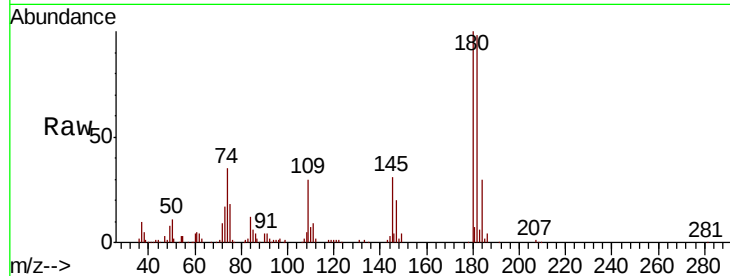




#93
 1,2,4-Trichlorobenzene
 Concen: 19.582 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

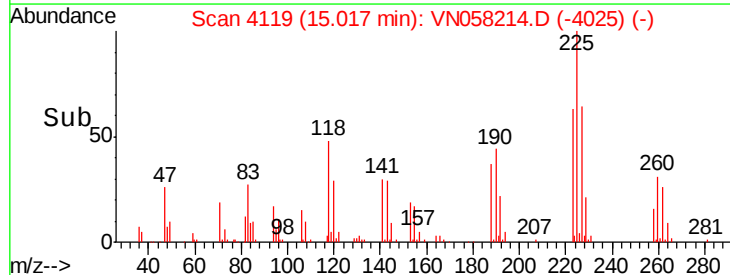
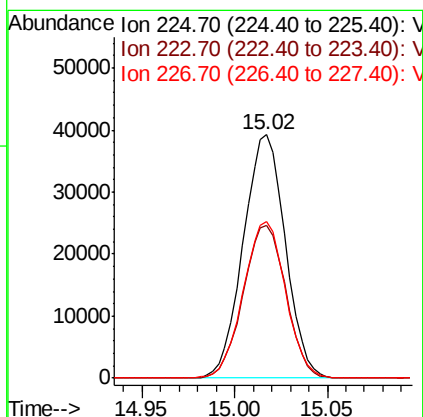
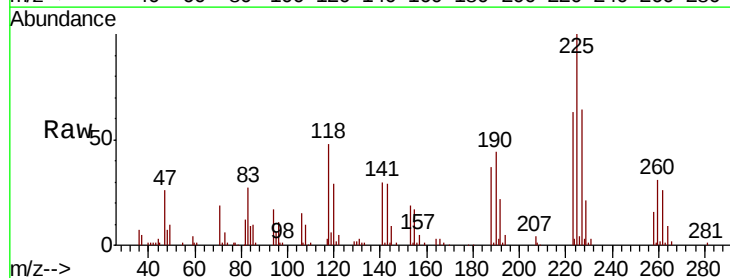
Instrument :
 MSVOA_N
 ClientSampled :

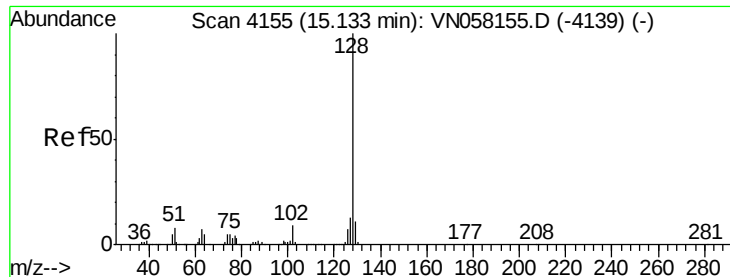
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.8	143.3
145	30.5	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 19.967 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	32.6	97.7
227	64.7	33.0	99.0





#95

Naphthalene

Concen: 20.371 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampled :

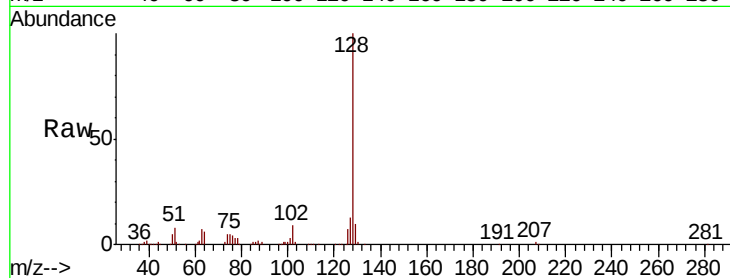
Tot Ion:128 Resp: 339516

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

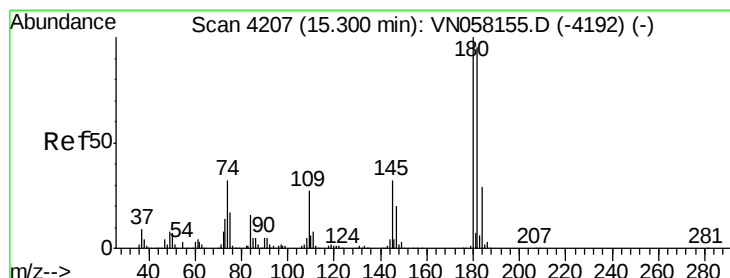
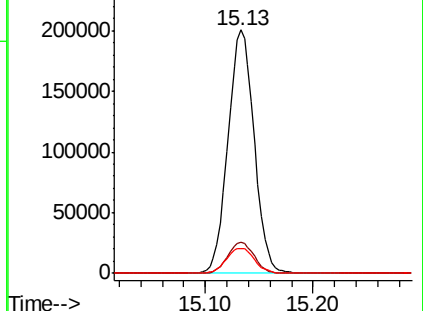
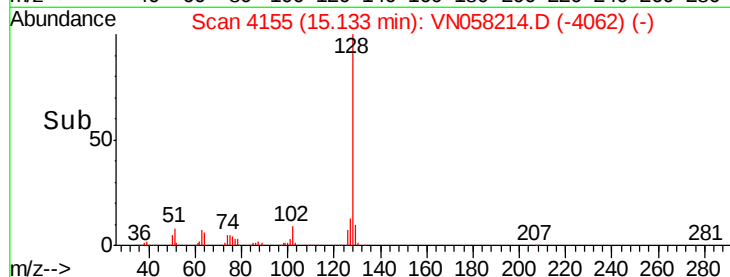
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.571 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

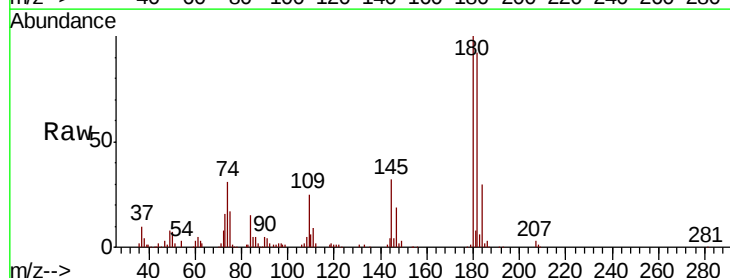
Tgt Ion:180 Resp: 118965

Ion Ratio Lower Upper

180 100

182 94.2 47.4 142.2

145 32.4 16.1 48.2



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

