

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058204.D
 Acq On : 19 Sep 2019 14:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 20 01:51:43 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	488445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	823801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378721	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	358998	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
35) Dibromofluoromethane	7.57	113	256748	51.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.54%	
50) Toluene-d8	10.08	98	1037546	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
62) 4-Bromofluorobenzene	12.40	95	379283	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.83	85	184672	46.025	ug/l	98
3) Chloromethane	2.04	50	149931	48.445	ug/l	99
4) Vinyl Chloride	2.17	62	165752	48.990	ug/l	99
5) Bromomethane	2.54	94	87350	48.807	ug/l	95
6) Chloroethane	2.68	64	109957	50.782	ug/l	99
7) Trichlorofluoromethane	3.00	101	251137	45.855	ug/l	99
8) Diethyl Ether	3.39	74	116834	46.557	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	185894	47.077	ug/l	99
10) Methyl Iodide	3.93	142	150725	45.553	ug/l	99
11) Tert butyl alcohol	4.76	59	213360	263.654	ug/l	100
12) 1,1-Dichloroethene	3.72	96	148563	49.573	ug/l	98
13) Acrolein	3.59	56	26805	223.511	ug/l	100
14) Allyl chloride	4.30	41	305539	47.287	ug/l	99
15) Acrylonitrile	4.96	53	562358	260.827	ug/l	100
16) Acetone	3.79	43	546972	236.862	ug/l	99
17) Carbon Disulfide	4.03	76	182904	43.398	ug/l	100
18) Methyl Acetate	4.30	43	295392	48.613	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	743372	49.913	ug/l	98
20) Methylene Chloride	4.53	84	204571	50.601	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	159317	48.780	ug/l	98
22) Diisopropyl ether	5.93	45	818096	49.843	ug/l	95
23) Vinyl Acetate	5.87	43	2994269	266.609	ug/l	100
24) 1,1-Dichloroethane	5.83	63	423534	48.348	ug/l	99
25) 2-Butanone	6.81	43	806999	256.511	ug/l	99
26) 2,2-Dichloropropane	6.81	77	351440	47.289	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	238144	48.078	ug/l	98
28) Bromochloromethane	7.18	49	210058	50.689	ug/l	100
29) Tetrahydrofuran	7.19	42	489902	252.802	ug/l	99
30) Chloroform	7.36	83	456172	48.377	ug/l	100
31) Cyclohexane	7.64	56	274914	48.476	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	363585	50.650	ug/l	99
36) 1,1-Dichloropropene	7.78	75	265327	44.662	ug/l	98
37) Ethyl Acetate	6.91	43	314108	50.948	ug/l	100
38) Carbon Tetrachloride	7.76	117	284152	47.582	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	274029	47.710	ug/l	97
40) Benzene	8.03	78	865745	47.712	ug/l	99
41) Methacrylonitrile	7.16	41	158931	51.149	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	367540	48.272	ug/l	99
43) Isopropyl Acetate	8.15	43	569561	49.465	ug/l	99
44) Trichloroethene	8.82	130	211670	47.669	ug/l	100
45) 1,2-Dichloropropane	9.11	63	269400	49.715	ug/l	97
46) Dibromomethane	9.20	93	164501	49.931	ug/l	97
47) Bromodichloromethane	9.39	83	354328	51.337	ug/l	96
48) Methyl methacrylate	9.19	41	269090	51.471	ug/l	99
49) 1,4-Dioxane	9.19	88	90307	1052.116	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1751996	286.466	ug/l	99
52) Toluene	10.15	92	547677	48.161	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	373531	52.832	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	402422	51.554	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258596	51.242	ug/l	99
56) Ethyl methacrylate	10.43	69	387620	53.235	ug/l	99
57) 1,3-Dichloropropane	10.71	76	435620	50.212	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	940256	271.101	ug/l	99
59) 2-Hexanone	10.75	43	1274080	280.498	ug/l	99
60) Dibromochloromethane	10.90	129	261680	53.899	ug/l	100
61) 1,2-Dibromoethane	11.00	107	238807	51.062	ug/l	100
64) Tetrachloroethene	10.63	164	169945	45.590	ug/l	100
65) Chlorobenzene	11.43	112	644643	47.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	253868	52.052	ug/l	99
67) Ethyl Benzene	11.51	91	1158236	50.255	ug/l	99
68) m/p-Xylenes	11.62	106	842673	97.079	ug/l	97
69) o-Xylene	11.95	106	428140	50.162	ug/l	98
70) Styrene	11.97	104	751748	51.118	ug/l	99
71) Bromoform	12.13	173	167308	46.538	ug/l #	100
73) Isopropylbenzene	12.25	105	1211407	51.102	ug/l	100
74) N-amyl acetate	12.07	43	533293	53.776	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	404236	50.922	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	485348	71.607	ug/l #	100
77) Bromobenzene	12.53	156	285144	47.819	ug/l	98
78) n-propylbenzene	12.60	91	1417269	52.613	ug/l	99
79) 2-Chlorotoluene	12.68	91	846882	50.304	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1039876	51.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	105479	46.743	ug/l	97
82) 4-Chlorotoluene	12.78	91	904014	51.084	ug/l	100
83) tert-Butylbenzene	13.00	119	919214	51.420	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1054434	52.857	ug/l	100
85) sec-Butylbenzene	13.18	105	1241659	53.116	ug/l	100
86) p-Isopropyltoluene	13.29	119	1119663	53.876	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	553049	50.779	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	548632	49.342	ug/l	100
89) n-Butylbenzene	13.62	91	1028650	52.208	ug/l	99
90) Hexachloroethane	13.88	117	173302	47.693	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	553992	50.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75863	53.082	ug/l	99

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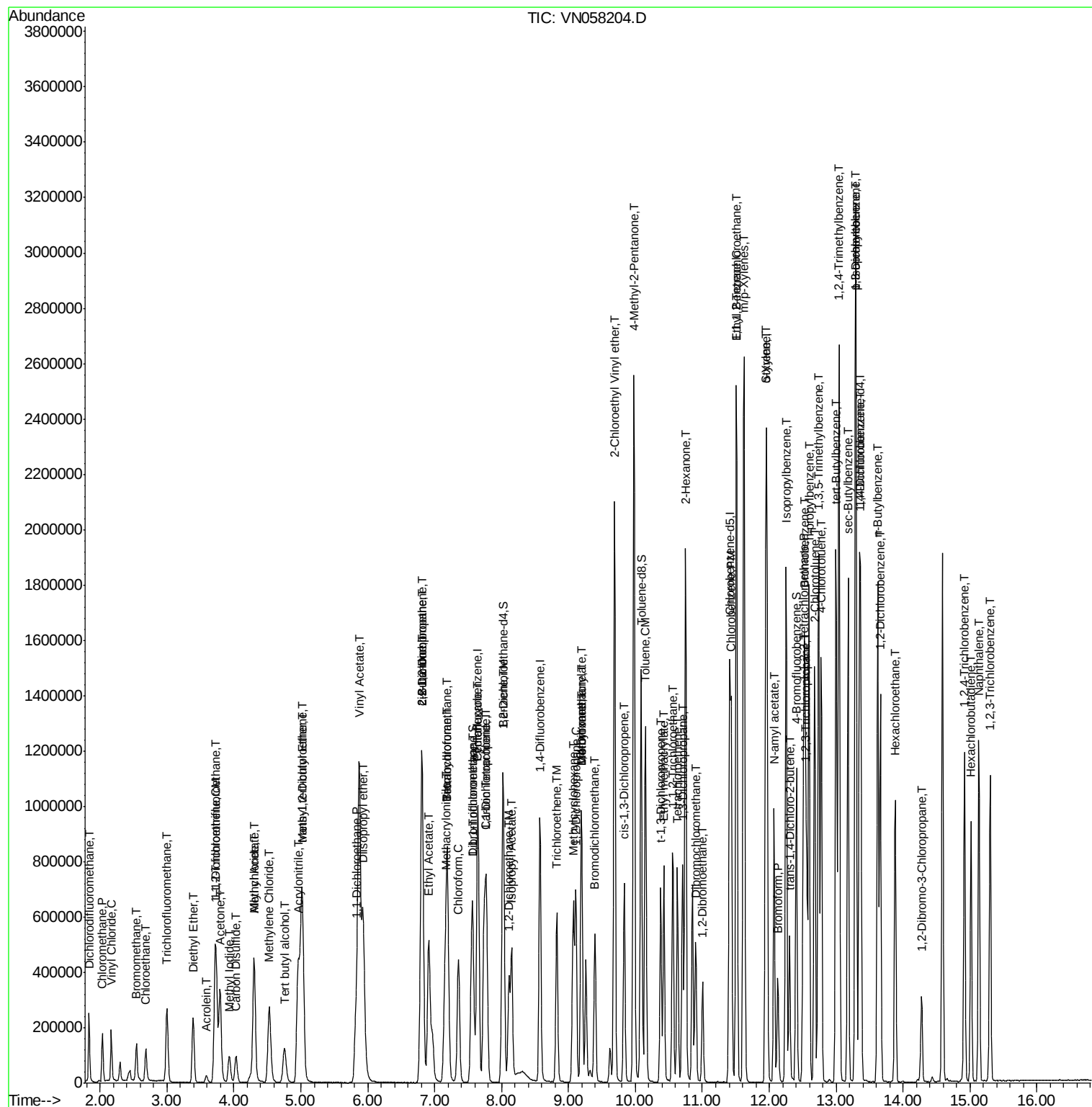
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	351838	50.404	ug/l	99
94) Hexachlorobutadiene	15.01	225	162901	48.284	ug/l	100
95) Naphthalene	15.13	128	974900	53.892	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	335854	50.905	ug/l	99

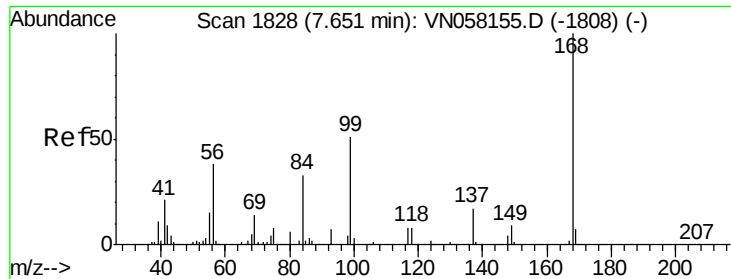
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

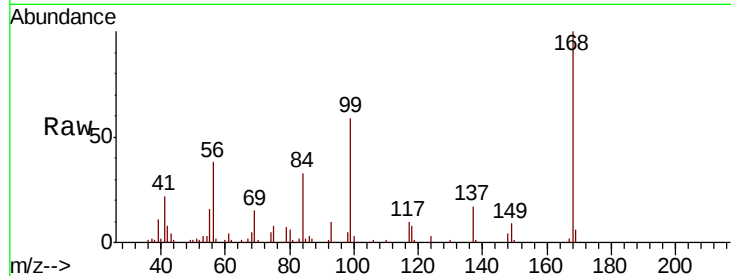
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 488445

Ion Ratio Lower Upper

168 100

99 58.7 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

100000

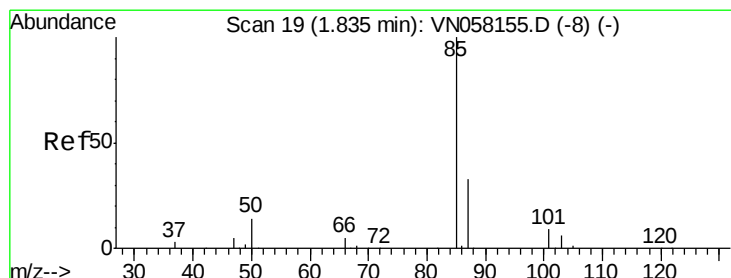
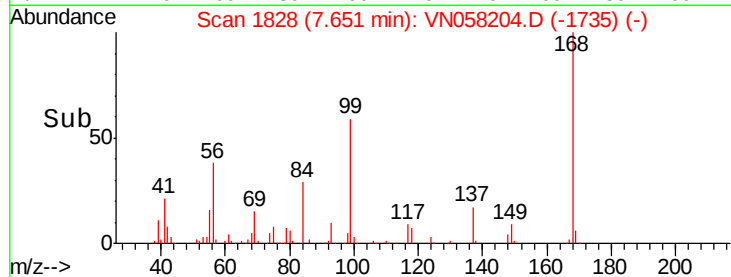
50000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 46.025 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058204.D

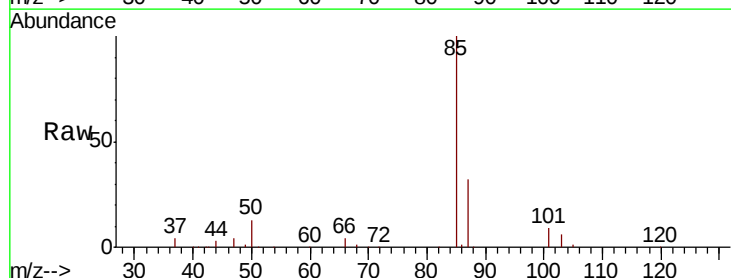
Acq: 19 Sep 2019 14:53

Tgt Ion: 85 Resp: 184672

Ion Ratio Lower Upper

85 100

87 31.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

100000

50000

0

1.75

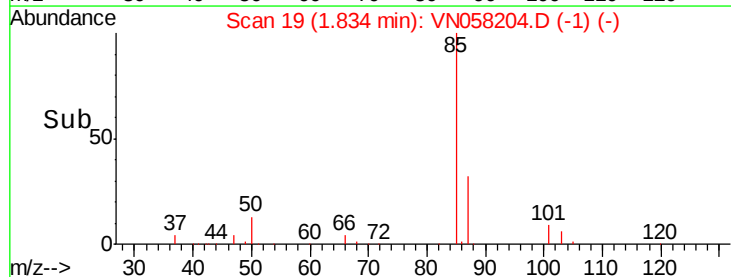
1.80

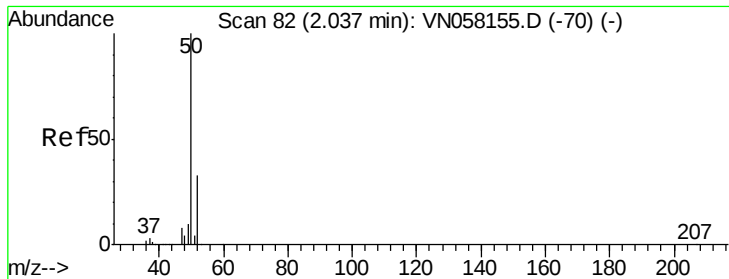
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 48.445 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

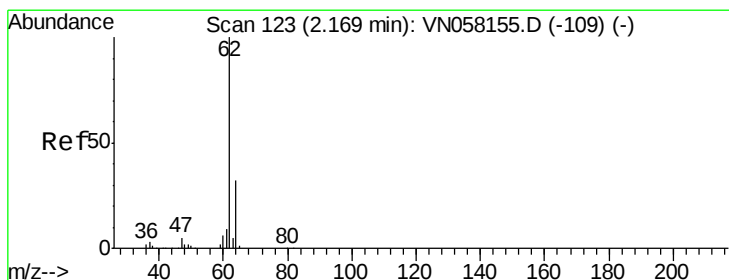
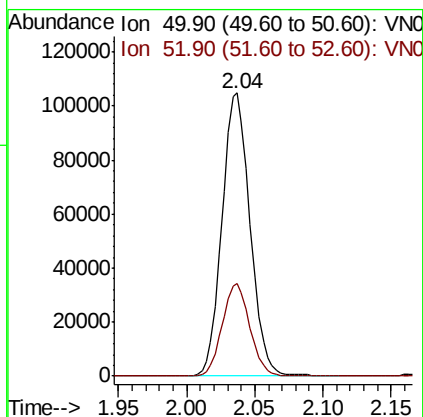
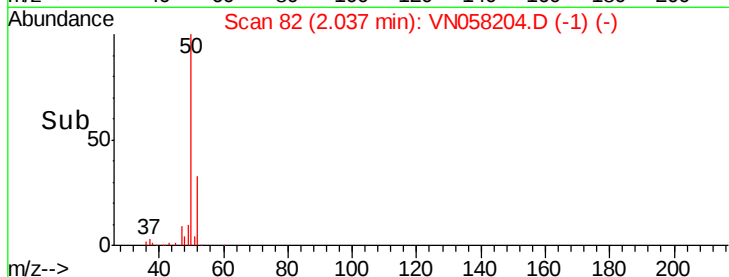
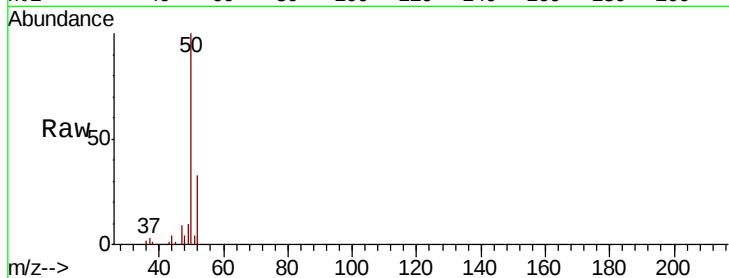
VSTDCCC050EC

Tot Ion: 50 Resp: 149931

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 48.990 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058204.D

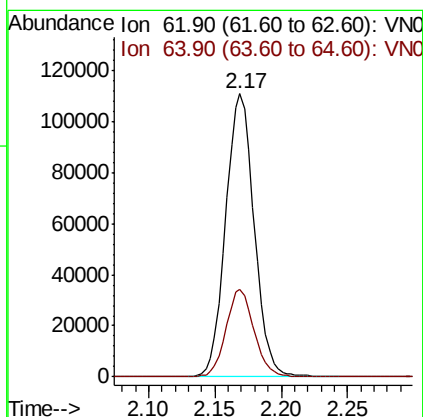
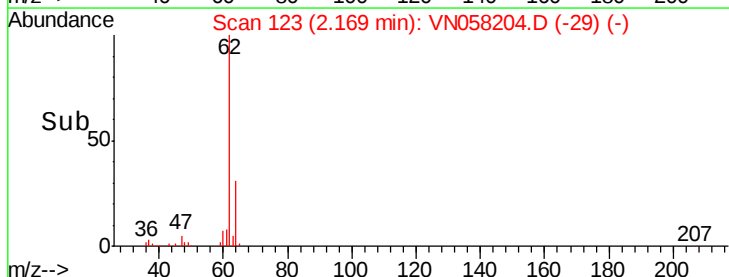
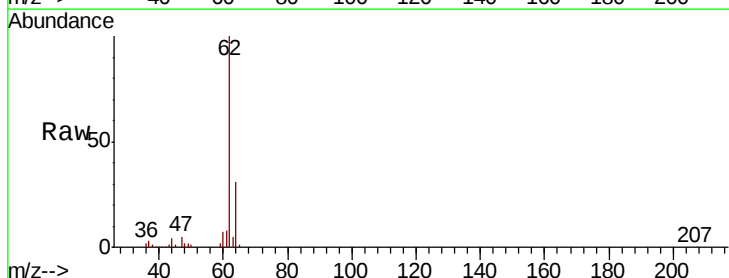
Acq: 19 Sep 2019 14:53

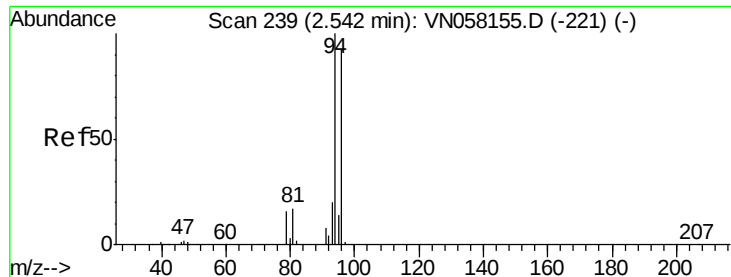
Tgt Ion: 62 Resp: 165752

Ion Ratio Lower Upper

62 100

64 31.0 25.4 38.2





#5

Bromomethane

Concen: 48.807 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

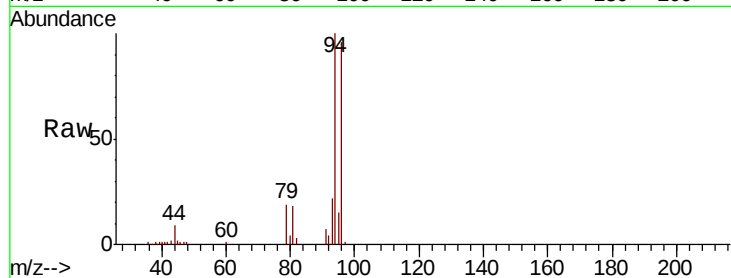
VSTDCCC050EC

Tot Ion: 94 Resp: 87350

Ion Ratio Lower Upper

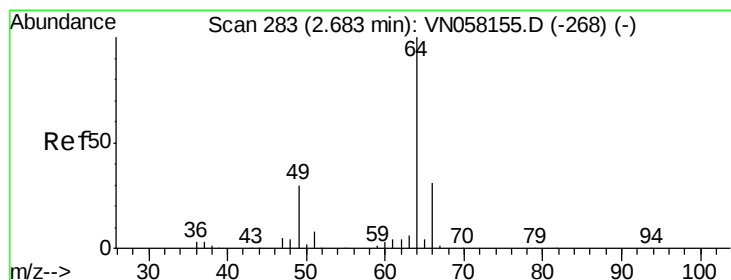
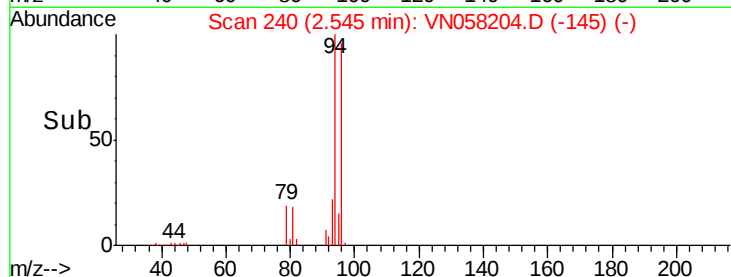
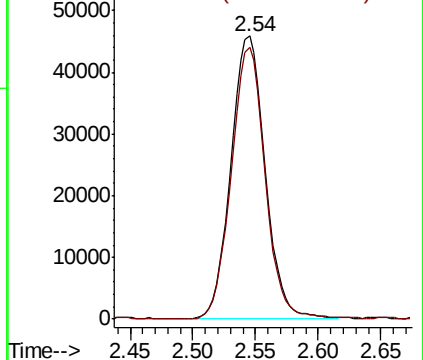
94 100

96 96.2 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: 50.782 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058204.D

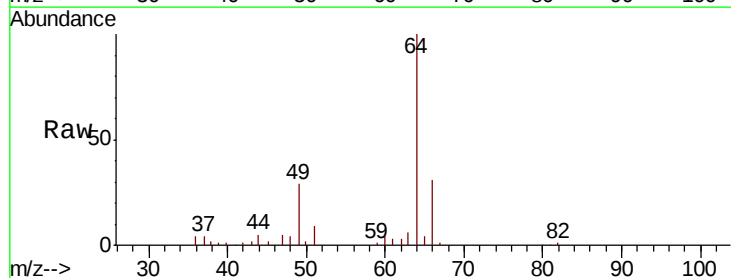
Acq: 19 Sep 2019 14:53

Tgt Ion: 64 Resp: 109957

Ion Ratio Lower Upper

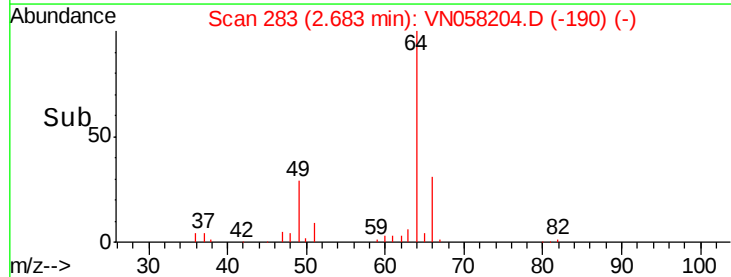
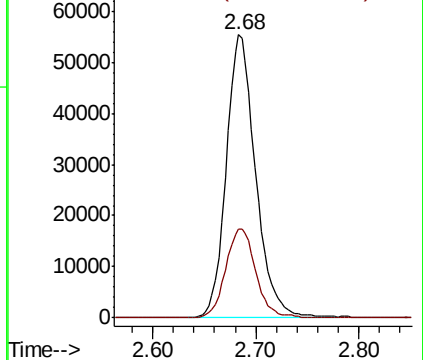
64 100

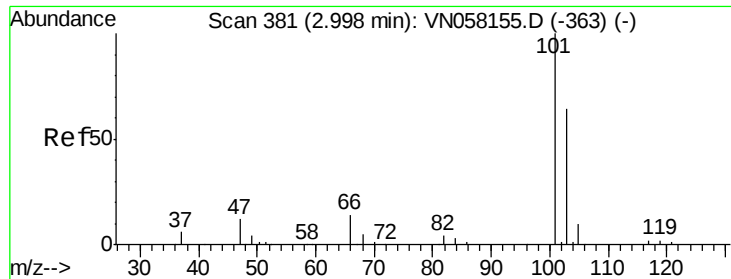
66 31.3 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



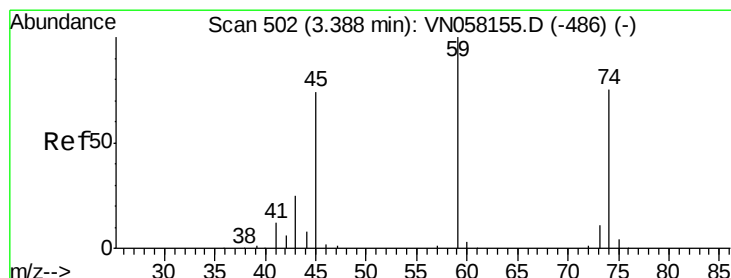
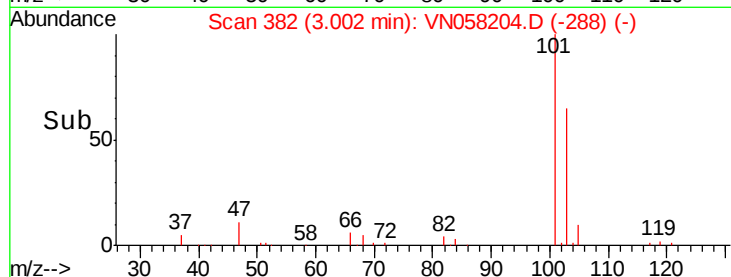
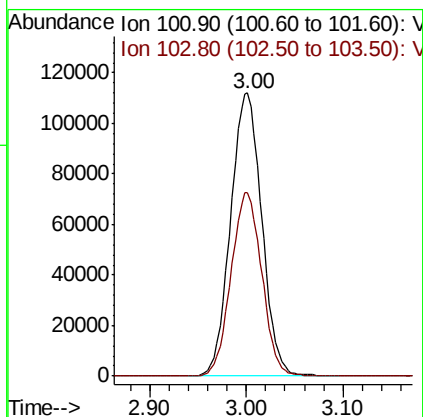
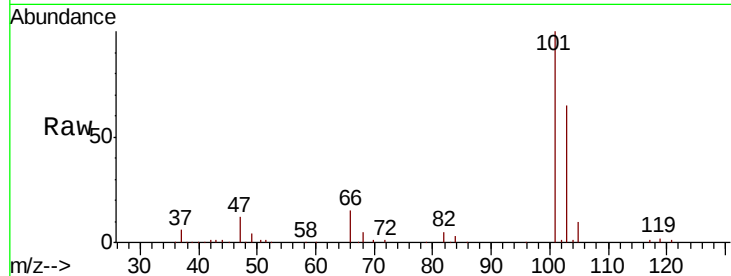


#7

Trichlorofluoromethane
Concen: 45.855 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
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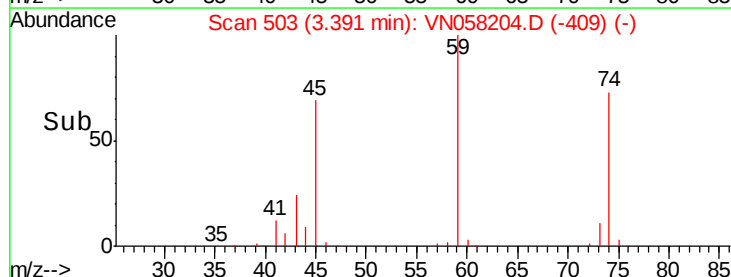
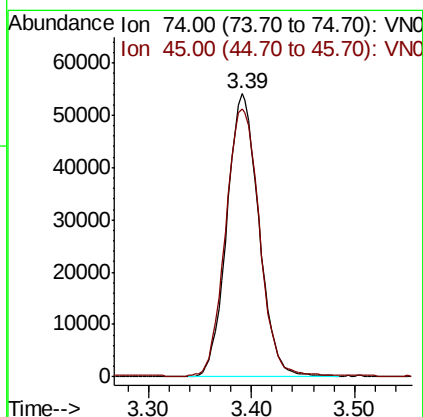
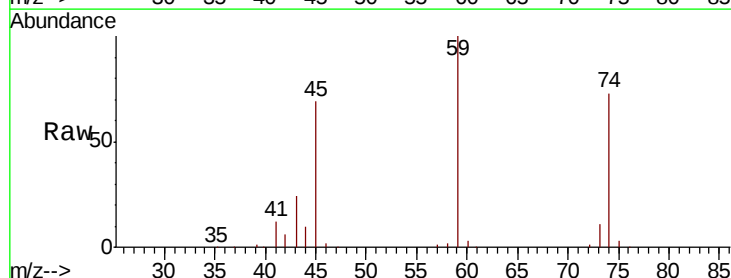
Tot Ion:101 Resp: 251137
Ion Ratio Lower Upper
101 100
103 64.8 51.0 76.6

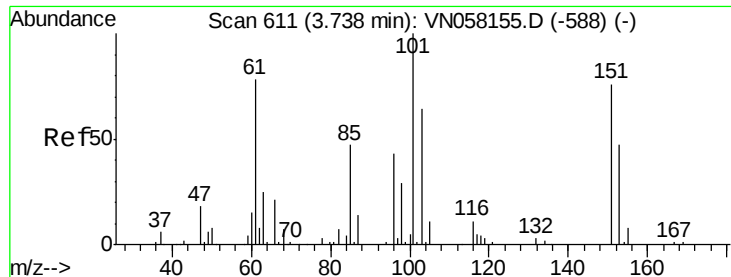


#8

Diethyl Ether
Concen: 46.557 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 74 Resp: 116834
Ion Ratio Lower Upper
74 100
45 101.3 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.077 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

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VSTDCCC050EC

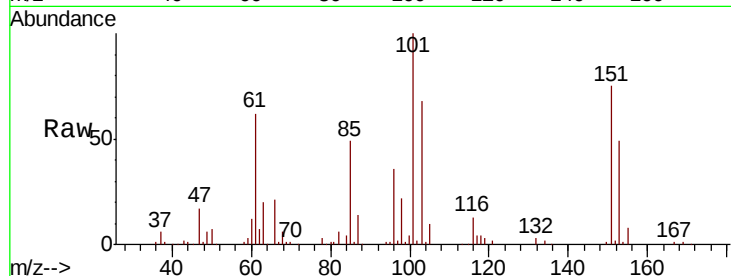
Tot Ion:101 Resp: 185894

Ion Ratio Lower Upper

101 100

85 47.0 37.3 55.9

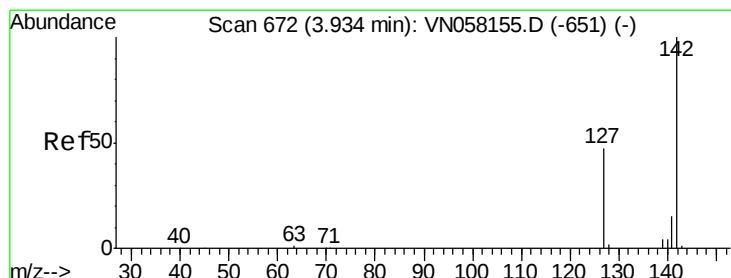
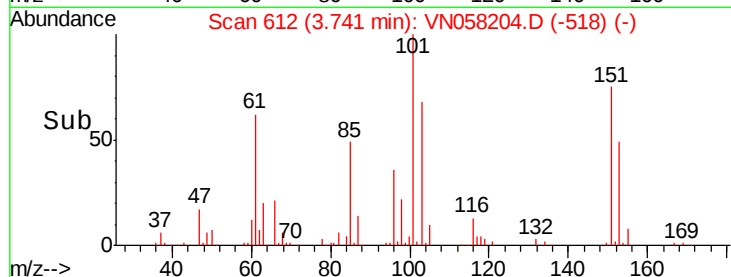
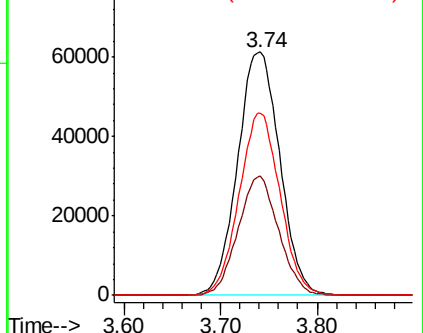
151 72.8 59.6 89.4



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: 45.553 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

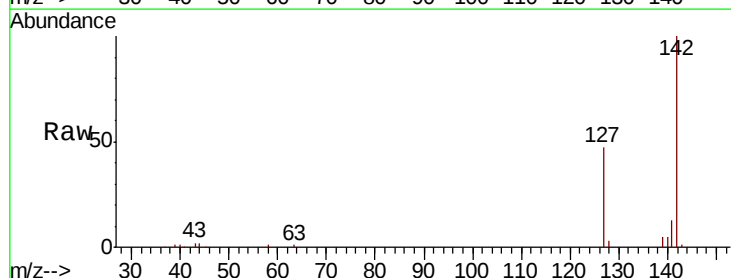
Tgt Ion:142 Resp: 150725

Ion Ratio Lower Upper

142 100

127 47.5 37.5 56.3

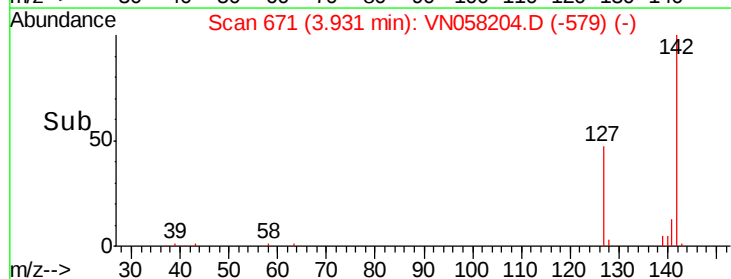
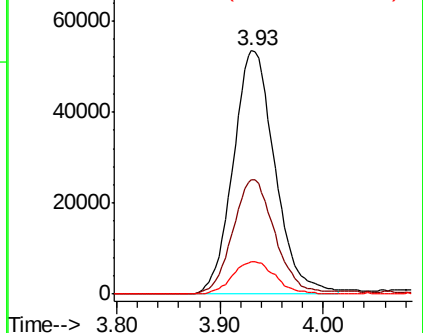
141 13.7 11.4 17.2

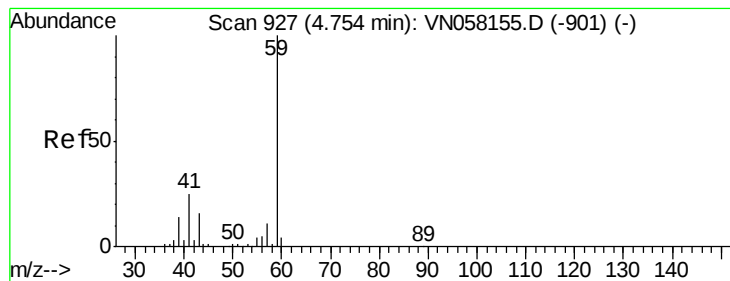


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



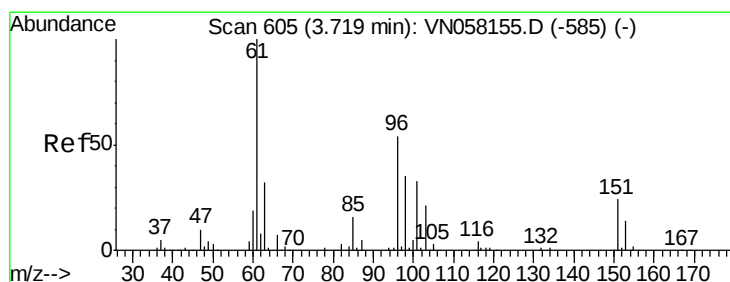
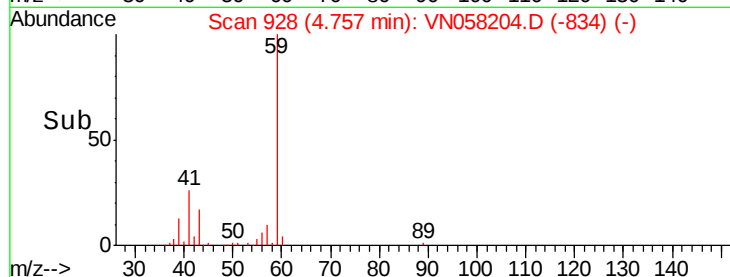
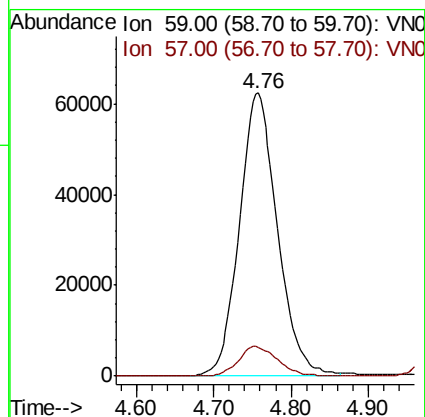
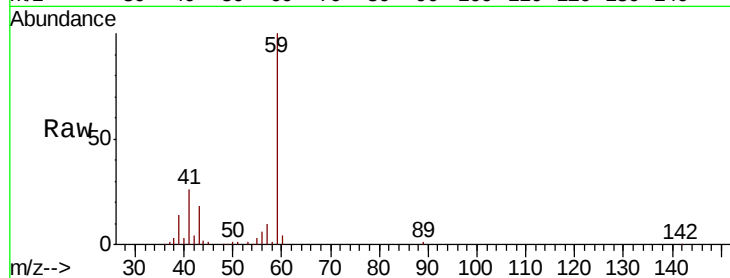


#11

Tert butyl alcohol
 Concen: 263.654 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

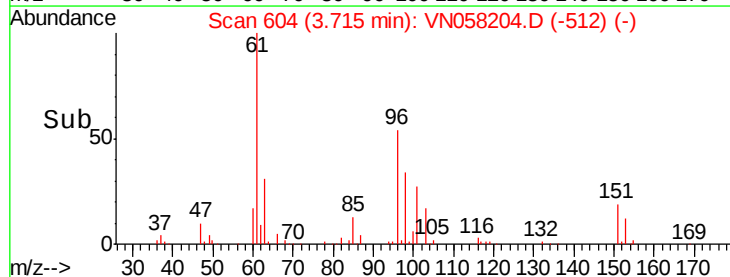
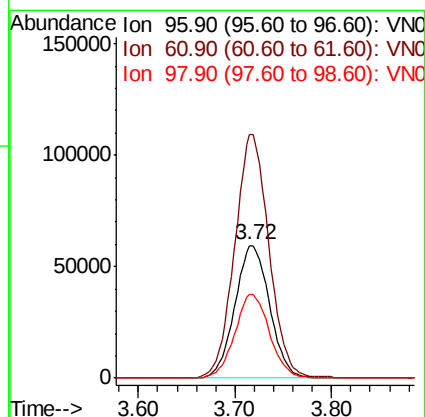
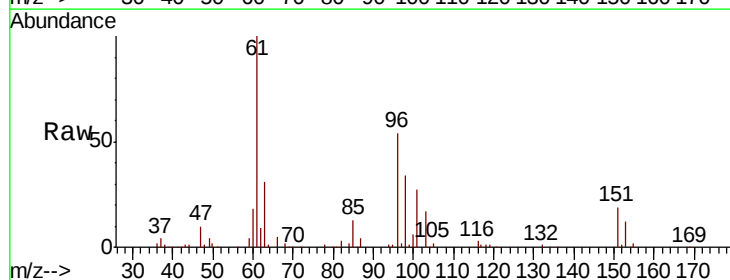
Tot Ion: 59 Resp: 213360
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 13.0

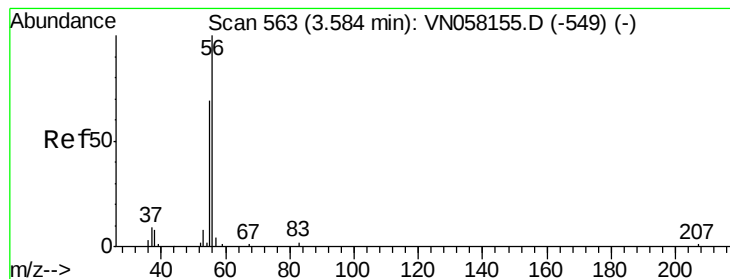


#12

1,1-Dichloroethene
 Concen: 49.573 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion: 96 Resp: 148563
 Ion Ratio Lower Upper
 96 100
 61 183.7 149.5 224.3
 98 63.1 52.4 78.6





#13

Acrolein

Concen: 223.511 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

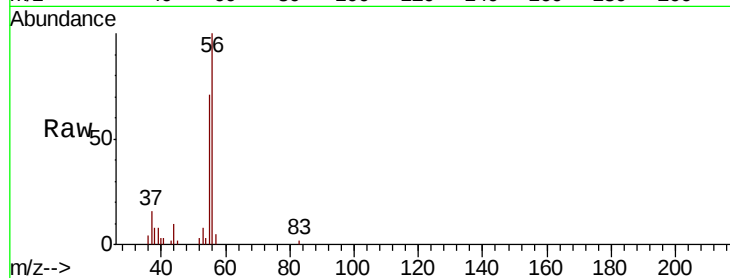
VSTDCCC050EC

Tot Ion: 56 Resp: 26805

Ion Ratio Lower Upper

56 100

55 70.3 56.1 84.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

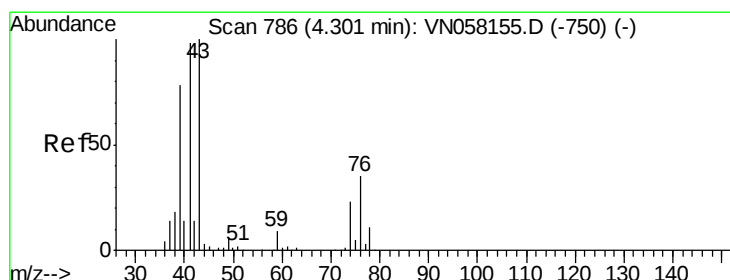
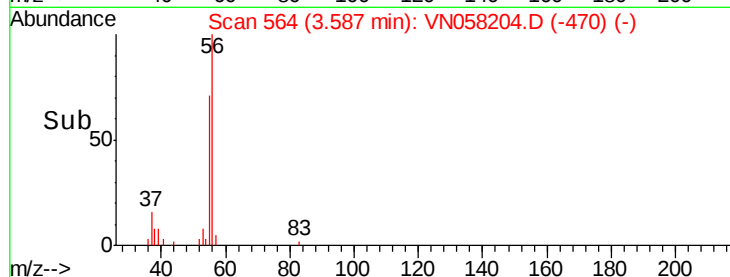
4000

2000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 47.287 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

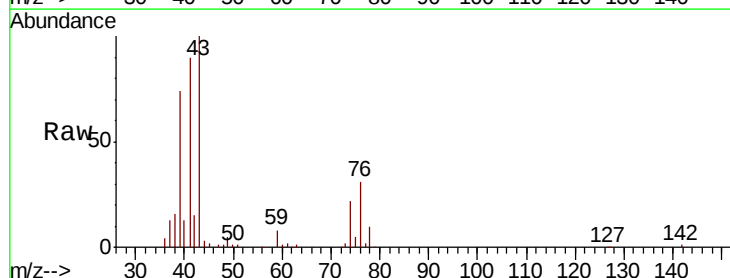
Tgt Ion: 41 Resp: 305539

Ion Ratio Lower Upper

41 100

39 75.2 59.1 88.7

76 31.6 25.1 37.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

120000

100000

80000

60000

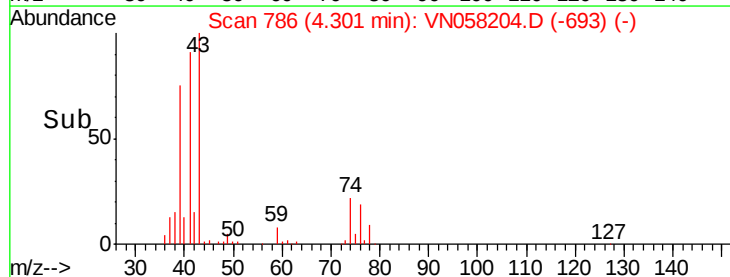
40000

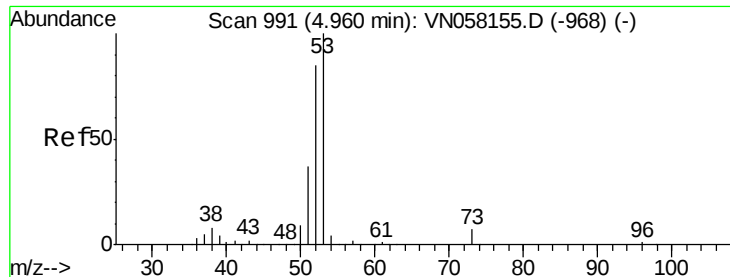
20000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 260.827 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

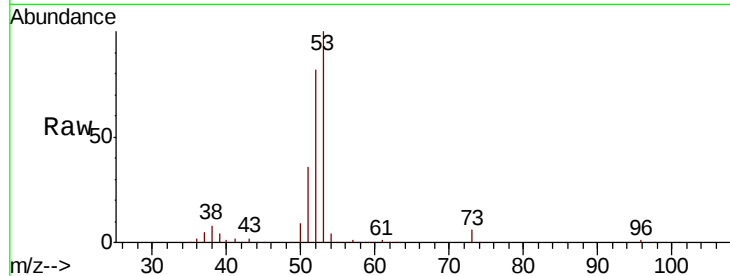
Tot Ion: 53 Resp: 562358

Ion Ratio Lower Upper

53 100

52 83.2 66.6 100.0

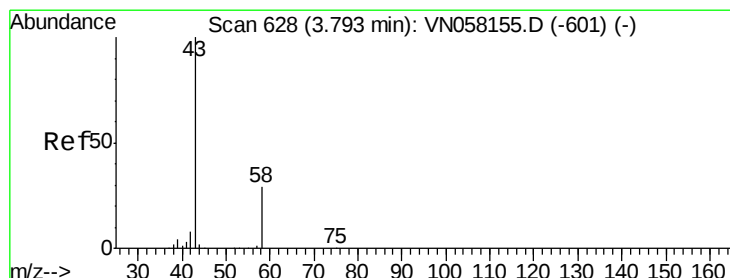
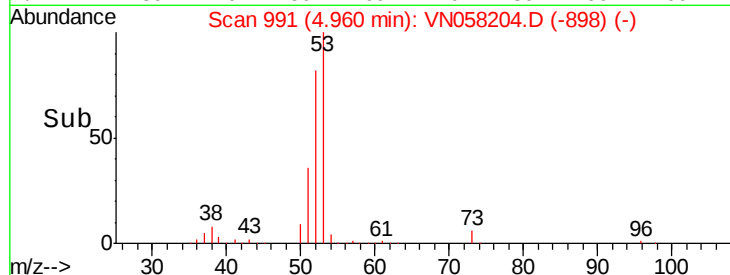
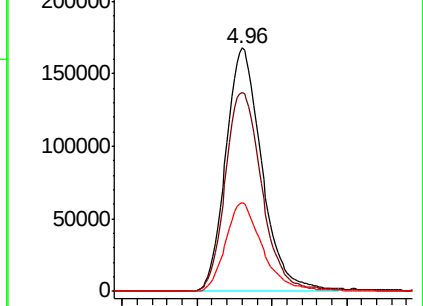
51 37.3 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 236.862 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058204.D

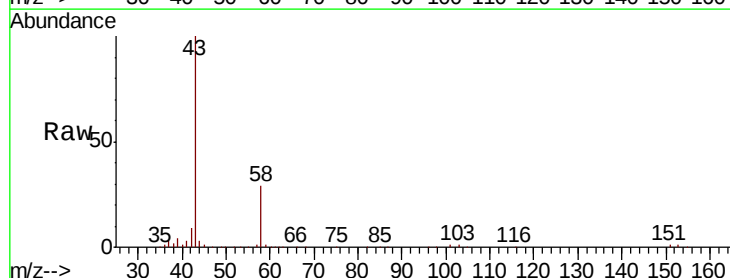
Acq: 19 Sep 2019 14:53

Tgt Ion: 43 Resp: 546972

Ion Ratio Lower Upper

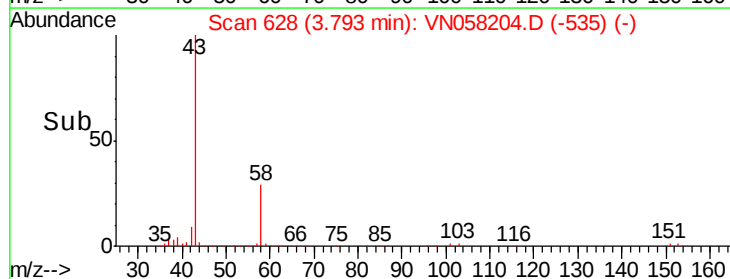
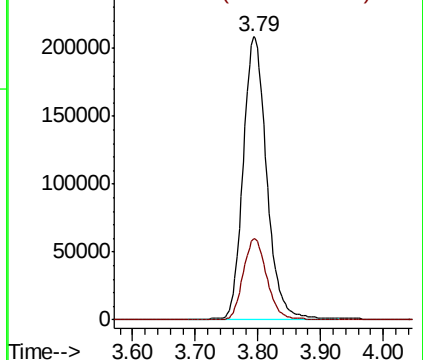
43 100

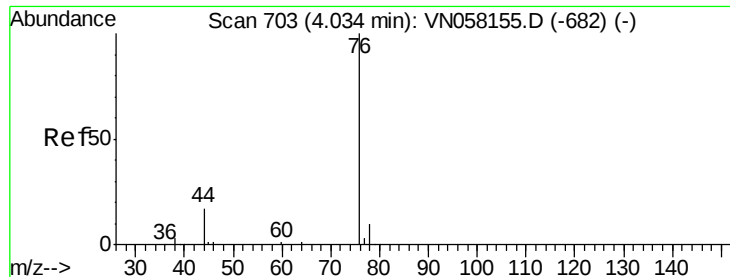
58 28.7 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

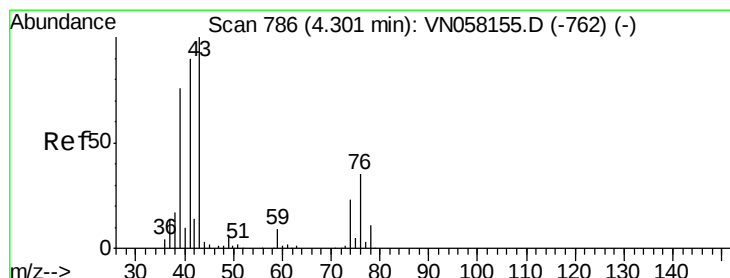
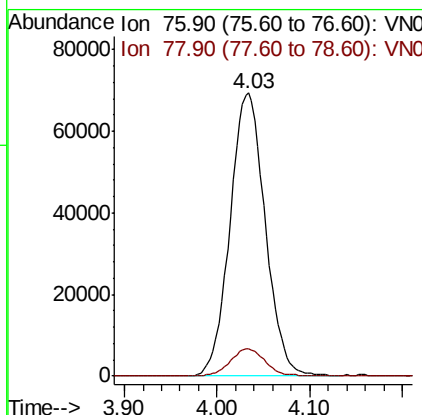
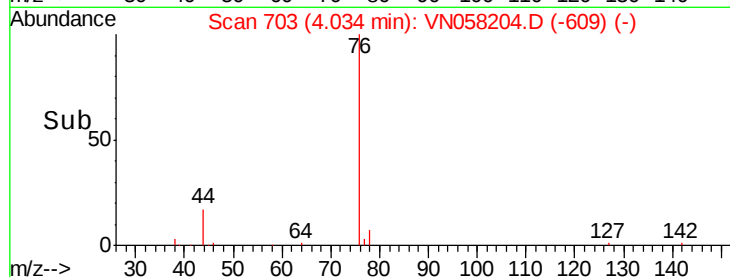
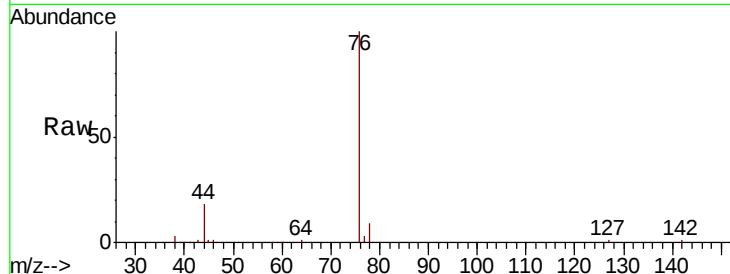




#17
Carbon Disulfide
Concen: 43.398 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

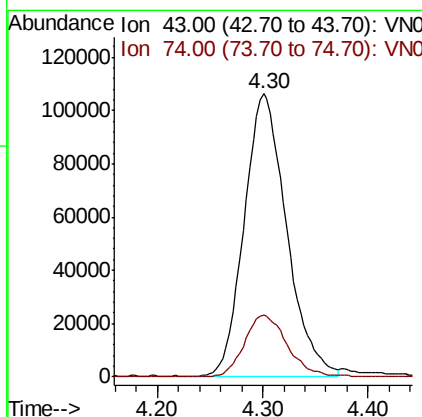
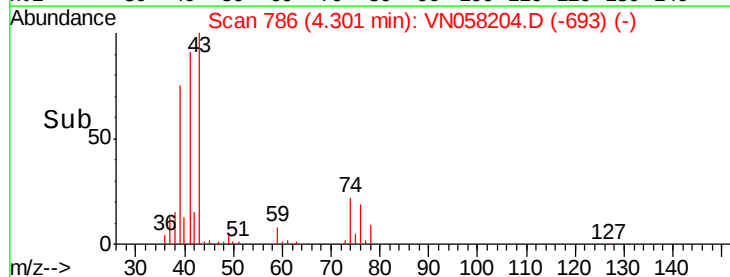
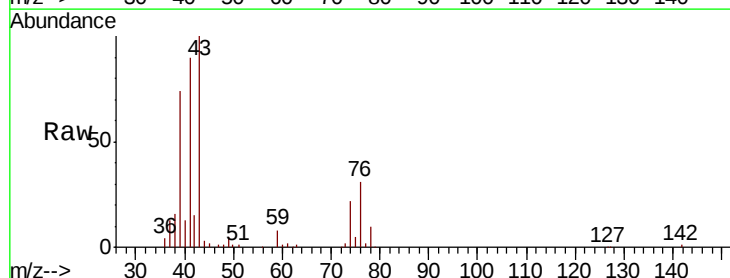
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

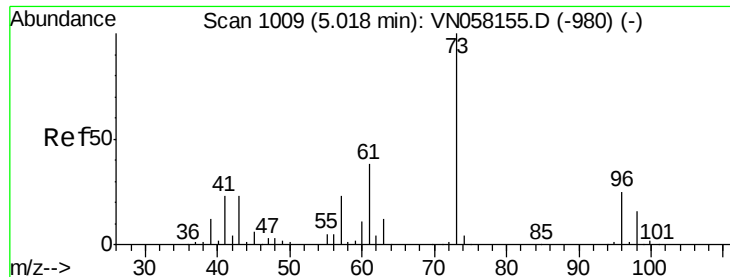
Tot Ion: 76 Resp: 182904
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5



#18
Methyl Acetate
Concen: 48.613 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 43 Resp: 295392
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0

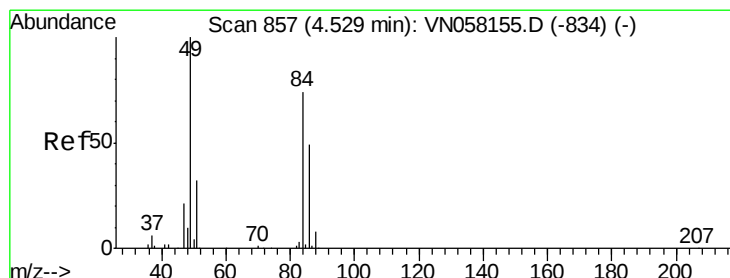
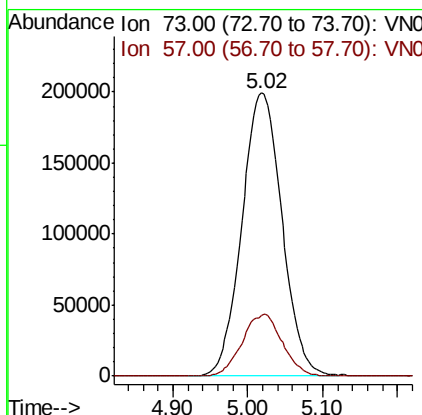
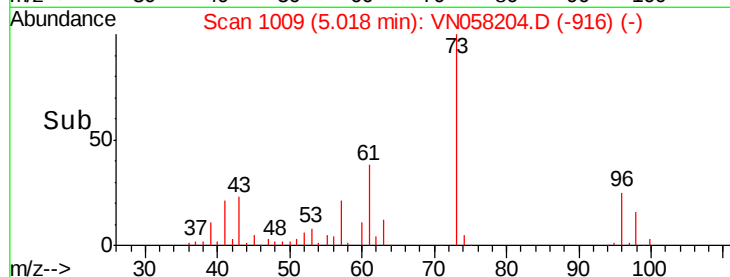
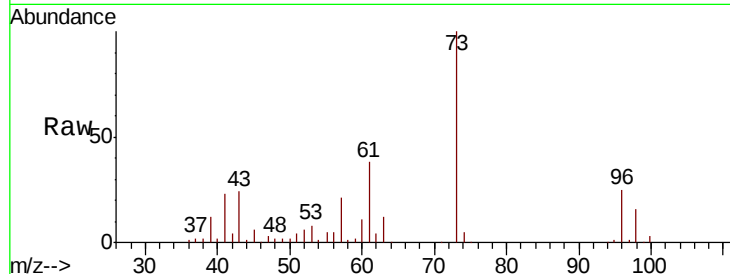




#19
Methyl tert-butyl Ether
Concen: 49.913 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

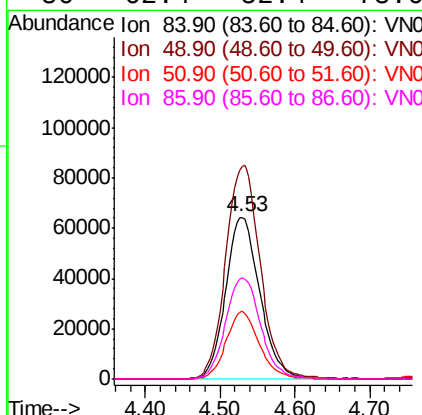
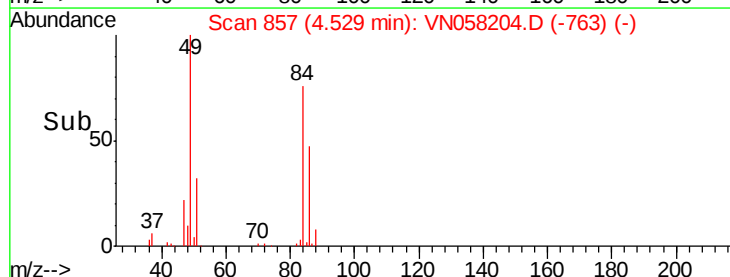
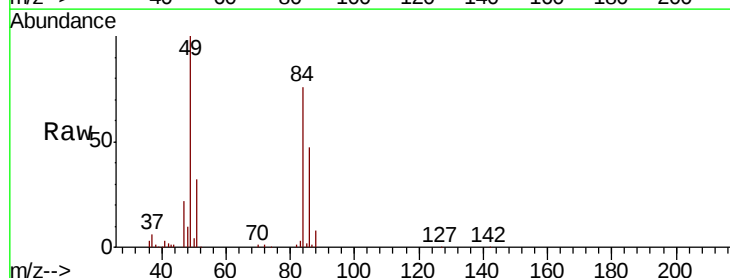
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

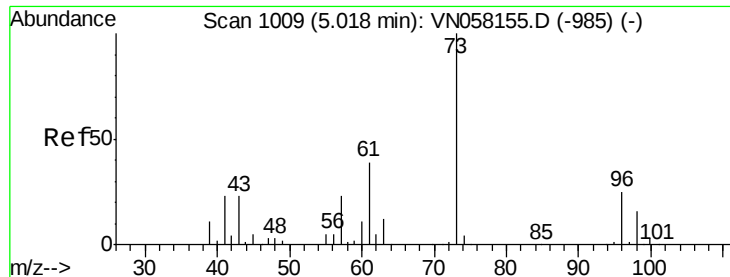
Tot Ion: 73 Resp: 743372
Ion Ratio Lower Upper
73 100
57 21.4 18.1 27.1



#20
Methylene Chloride
Concen: 50.601 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 84 Resp: 204571
Ion Ratio Lower Upper
84 100
49 131.4 107.5 161.3
51 41.7 33.9 50.9
86 62.4 52.4 78.6

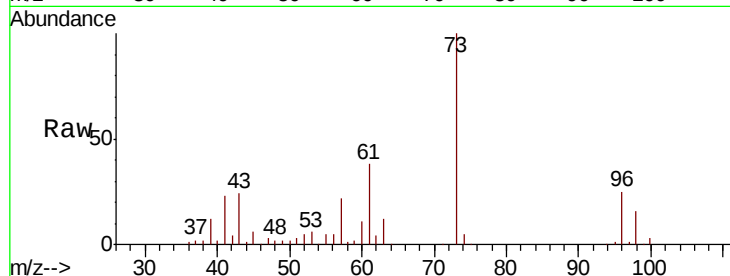




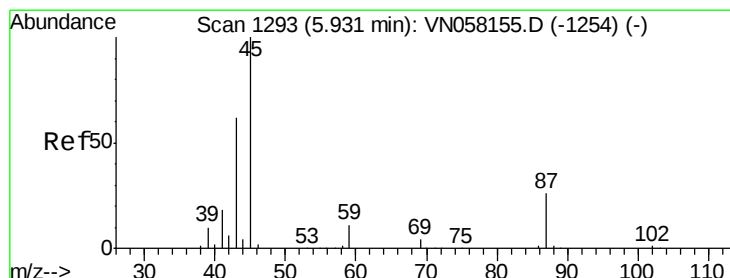
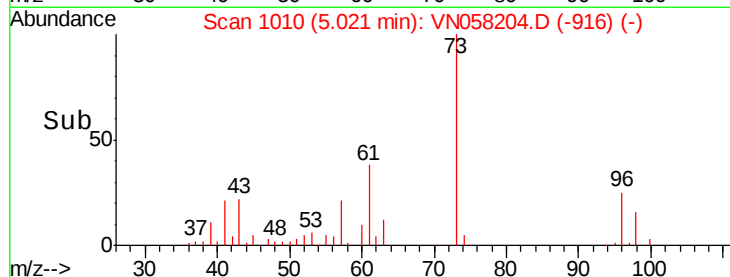
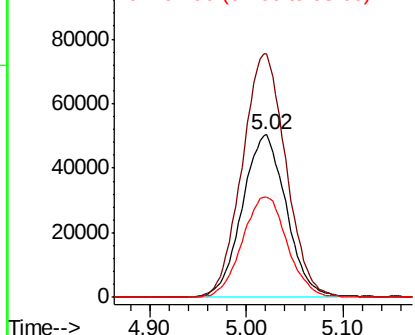
#21
trans-1,2-Dichloroethene
Concen: 48.780 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 159317
Ion Ratio Lower Upper
96 100
61 149.5 122.2 183.4
98 61.9 49.9 74.9

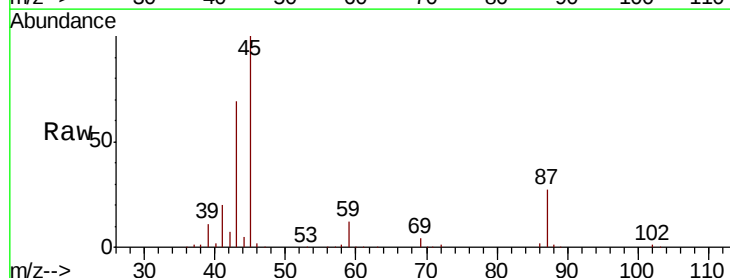


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

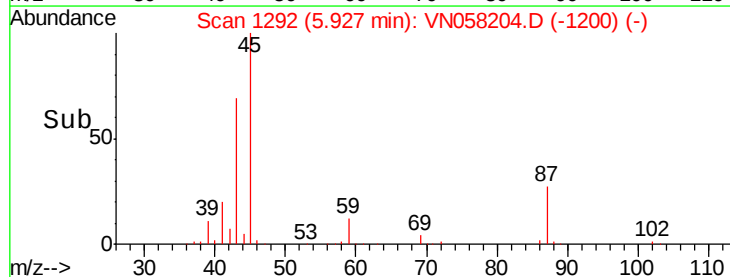
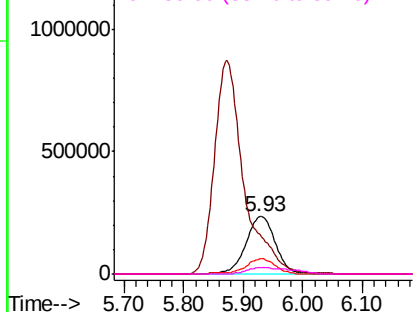


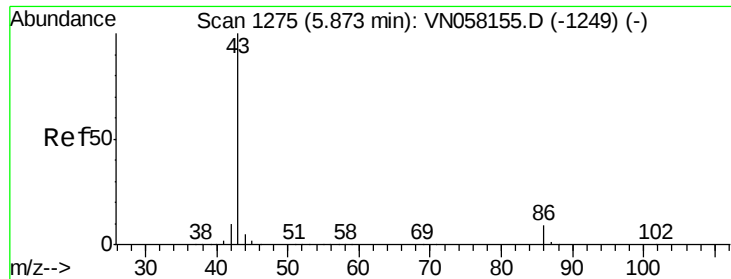
#22
Diisopropyl ether
Concen: 49.843 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 45 Resp: 818096
Ion Ratio Lower Upper
45 100
43 68.2 49.7 74.5
87 26.4 20.7 31.1
59 11.8 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO

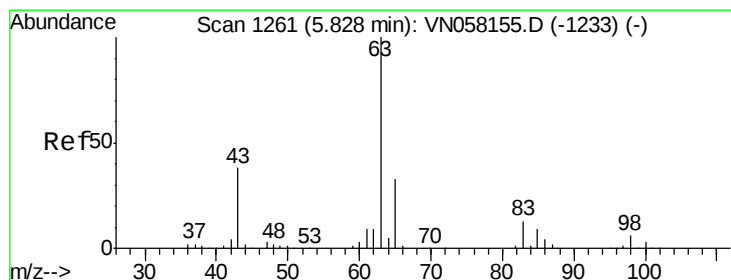
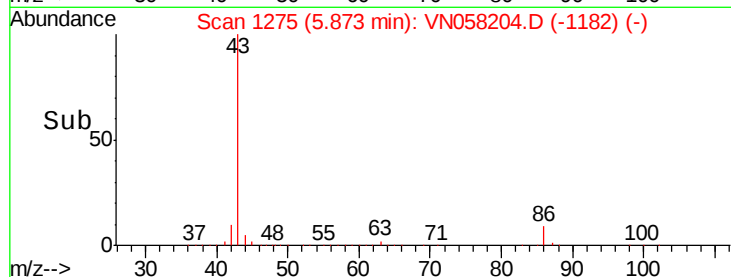
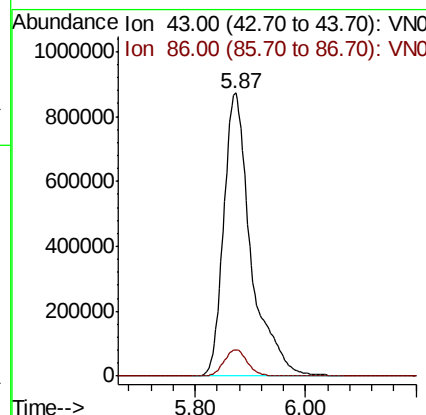
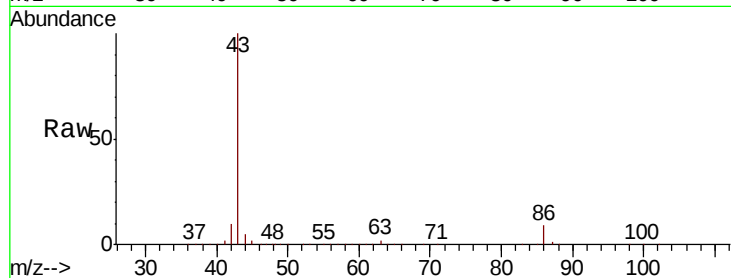




#23
 Vinyl Acetate
 Concen: 266.609 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

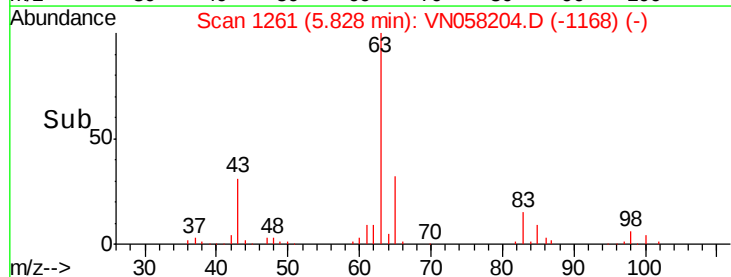
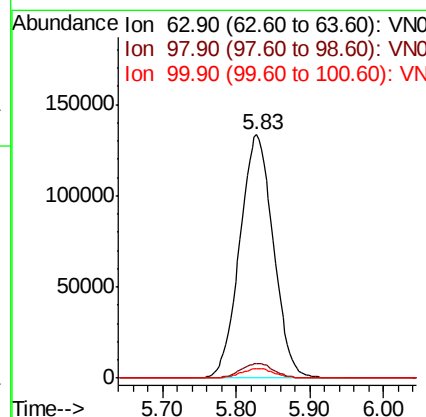
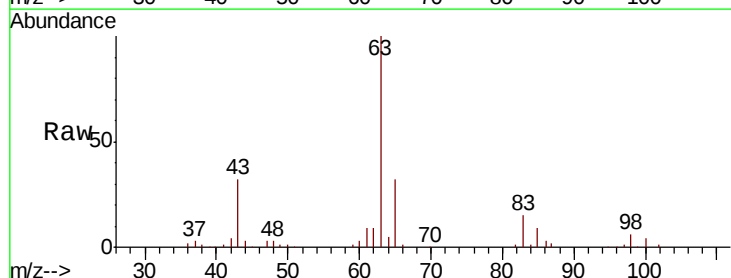
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

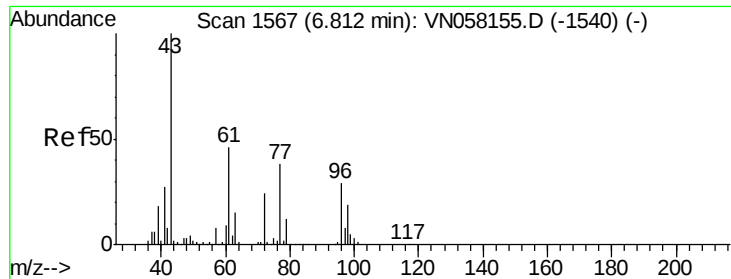
Tot Ion: 43 Resp: 2994269
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 48.348 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion: 63 Resp: 423534
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 4.0 1.8 5.3





#25

2-Butanone

Concen: 256.511 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

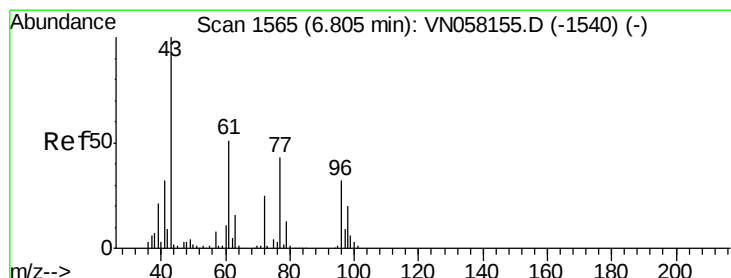
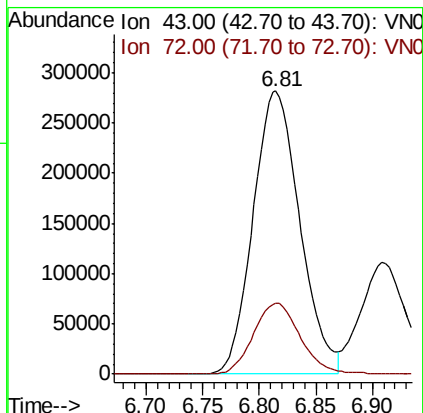
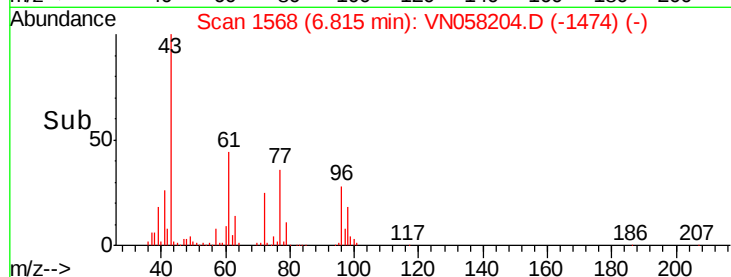
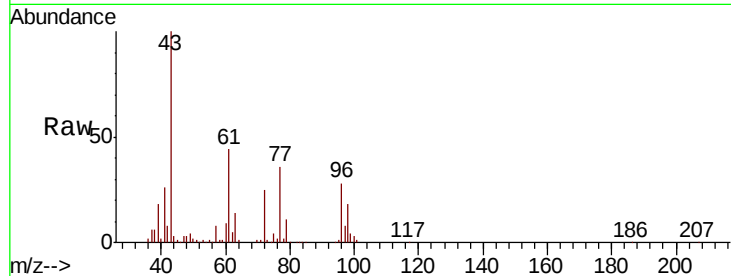
VSTDCCC050EC

Tot Ion: 43 Resp: 806999

Ion Ratio Lower Upper

43 100

72 25.0 19.5 29.3



#26

2,2-Dichloropropane

Concen: 47.289 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058204.D

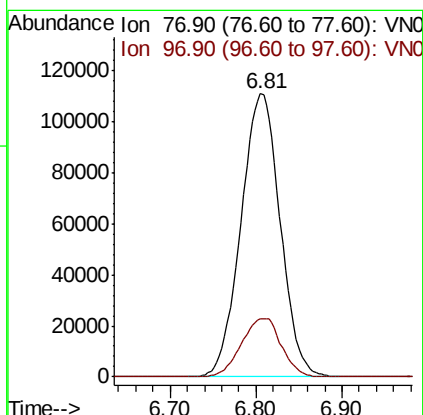
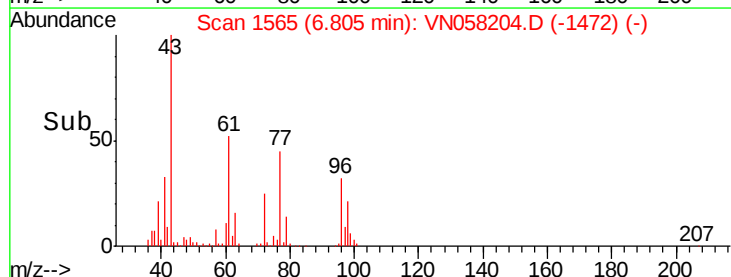
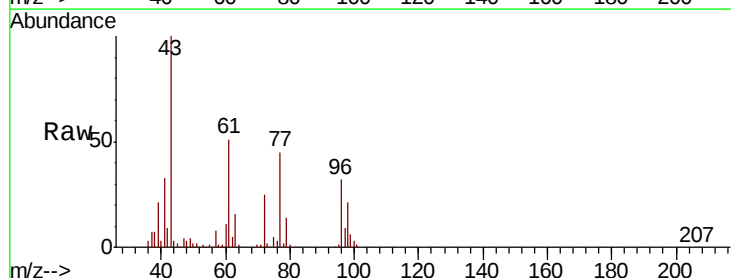
Acq: 19 Sep 2019 14:53

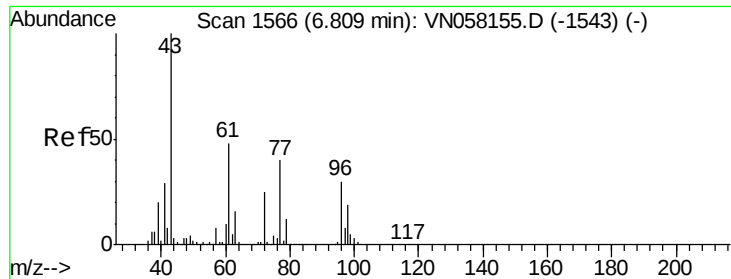
Tgt Ion: 77 Resp: 351440

Ion Ratio Lower Upper

77 100

97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 48.078 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

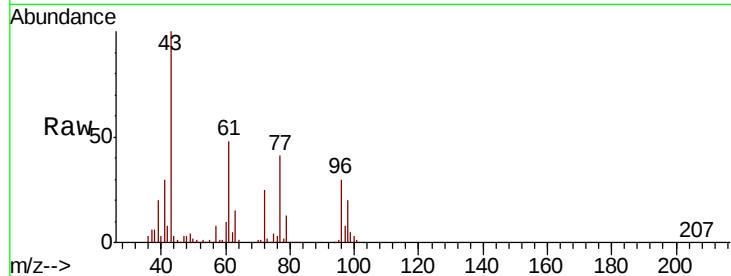
Tot Ion: 96 Resp: 238144

Ion Ratio Lower Upper

96 100

61 161.1 0.0 319.0

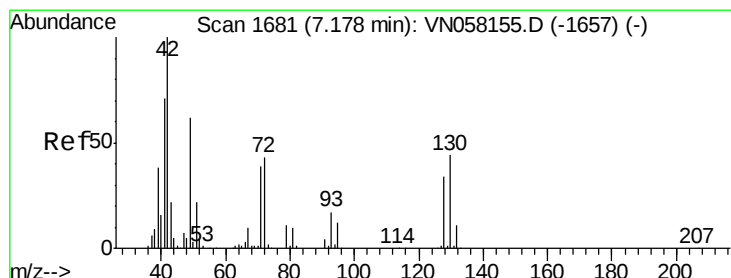
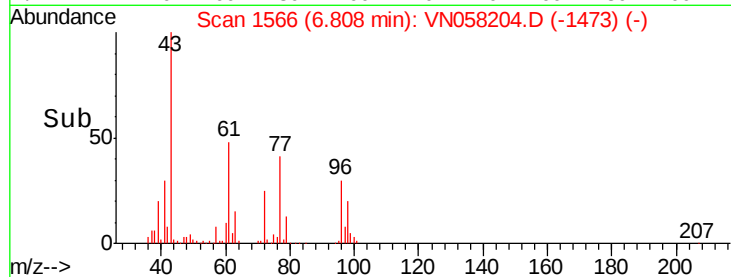
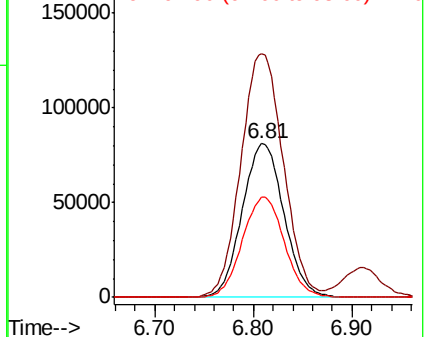
98 65.7 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.689 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

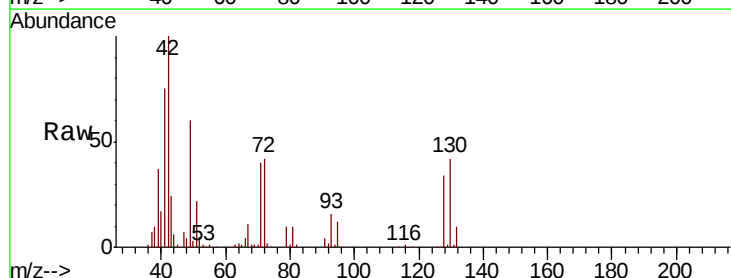
Tgt Ion: 49 Resp: 210058

Ion Ratio Lower Upper

49 100

129 1.6 0.0 1.8

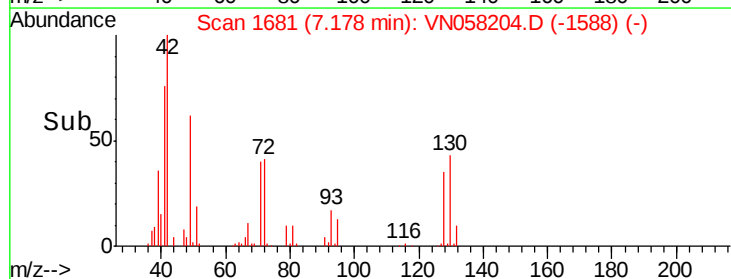
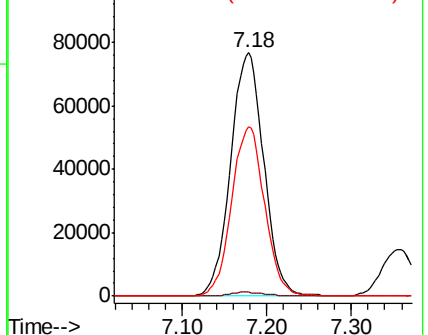
130 69.1 55.4 83.2

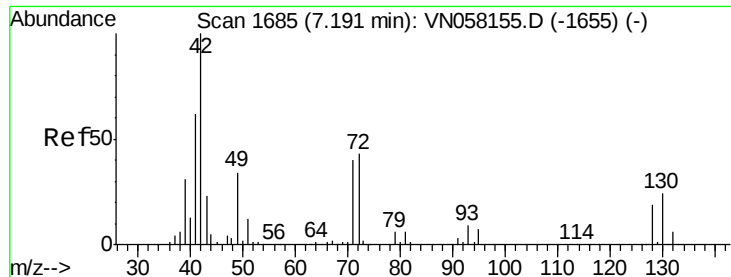


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

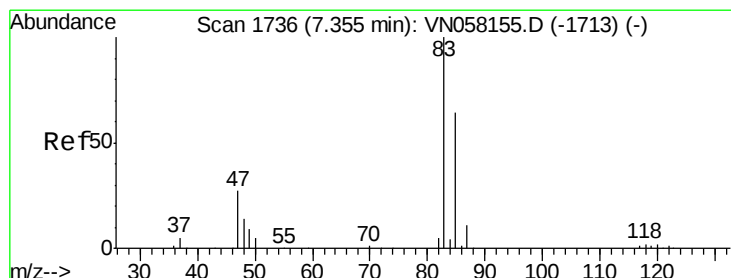
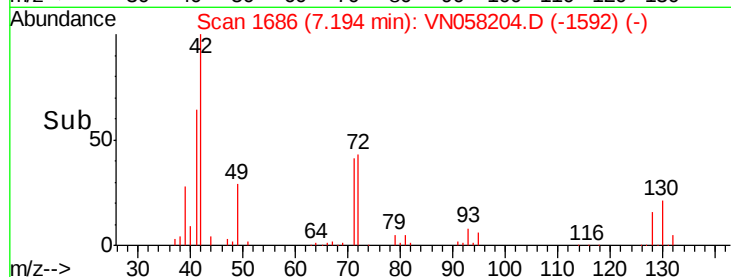
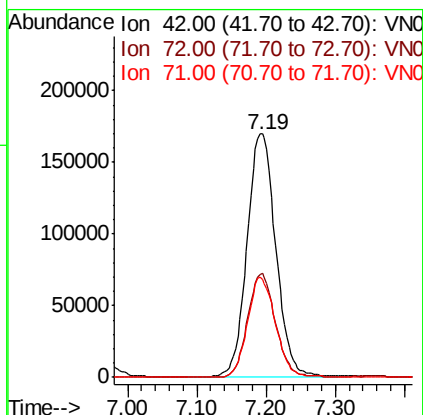
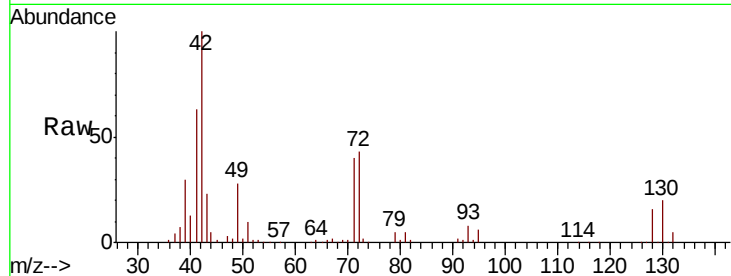




#29
Tetrahydrofuran
Concen: 252.802 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

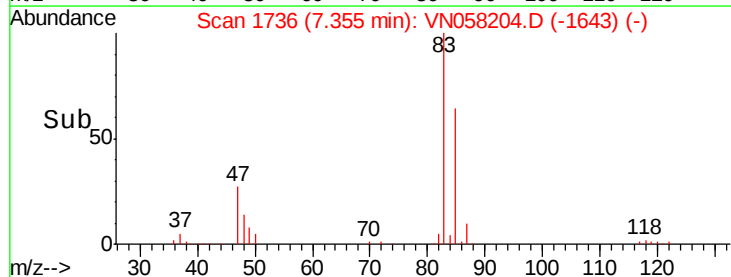
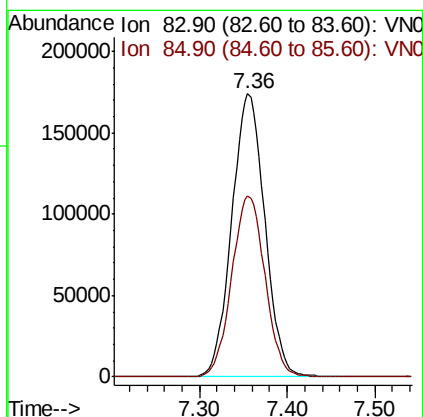
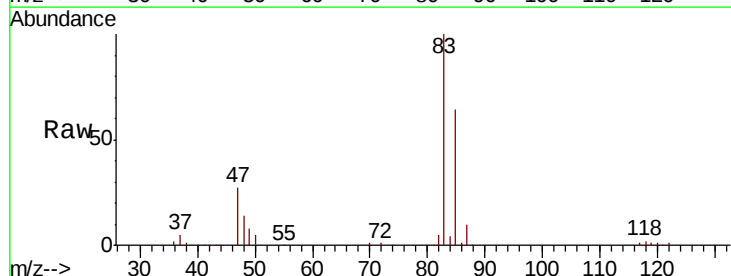
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

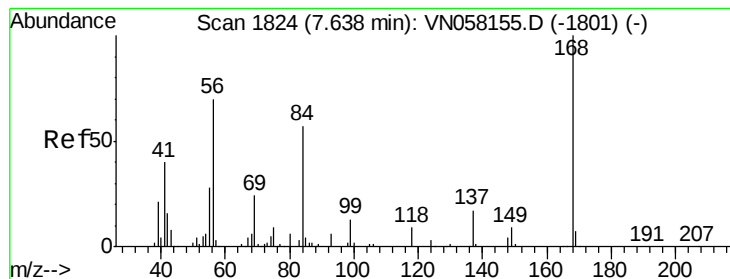
Tot Ion: 42 Resp: 489902
Ion Ratio Lower Upper
42 100
72 41.3 33.8 50.6
71 39.8 31.4 47.0



#30
Chloroform
Concen: 48.377 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 83 Resp: 456172
Ion Ratio Lower Upper
83 100
85 64.0 51.4 77.2





#31

Cyclohexane

Concen: 48.476 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

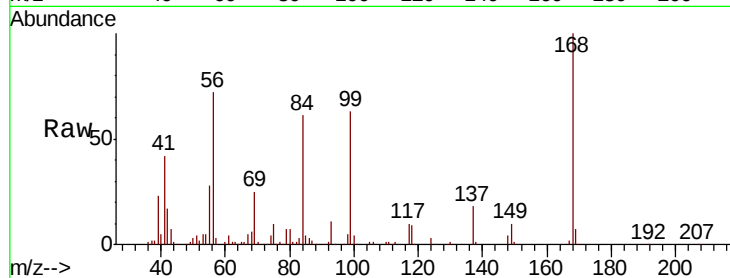
Tot Ion: 56 Resp: 274914

Ion Ratio Lower Upper

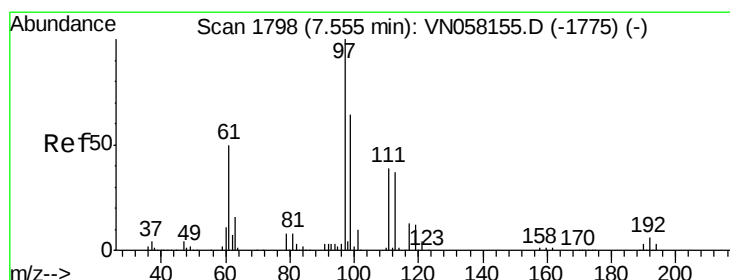
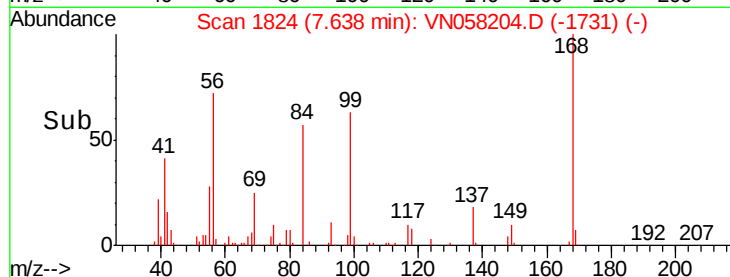
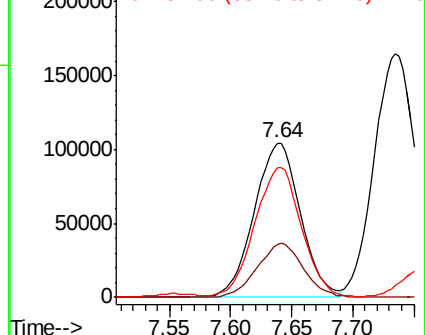
56 100

69 34.5 27.3 40.9

84 81.8 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: 50.650 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

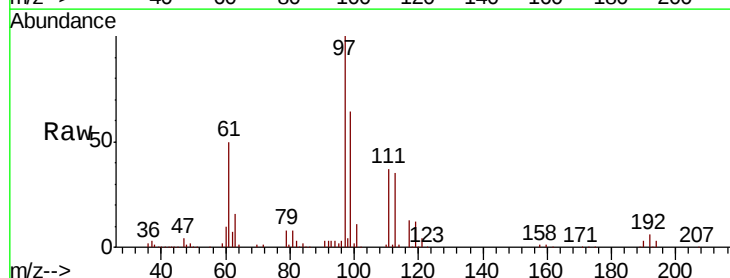
Tgt Ion: 97 Resp: 363585

Ion Ratio Lower Upper

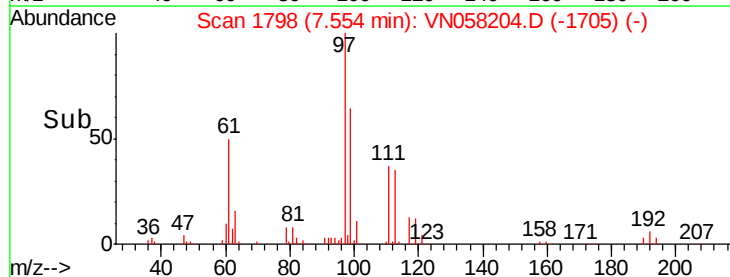
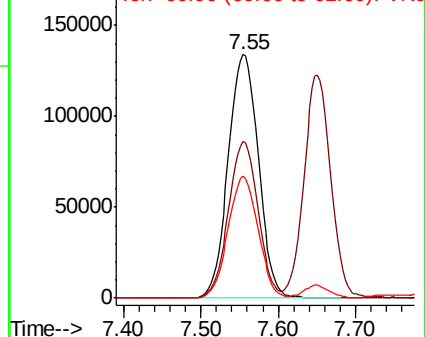
97 100

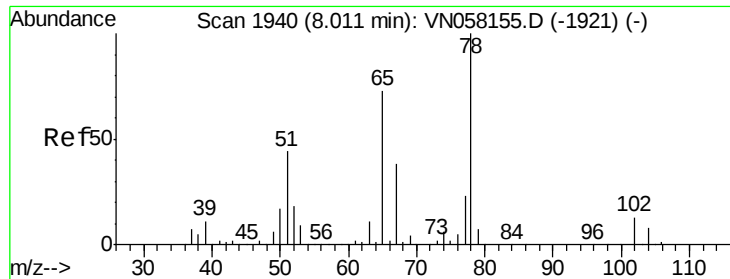
99 62.7 50.9 76.3

61 49.6 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

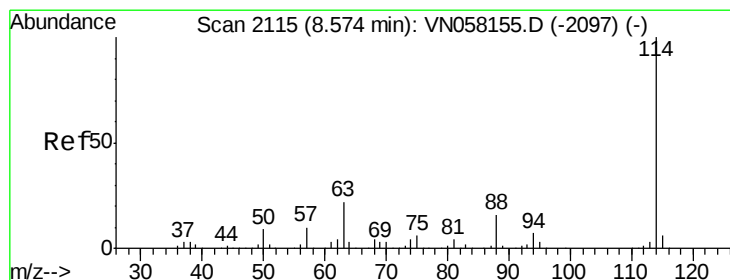
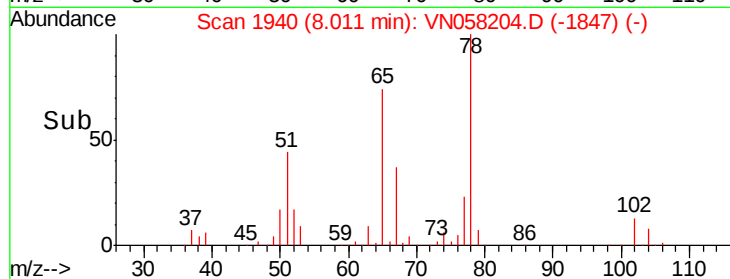
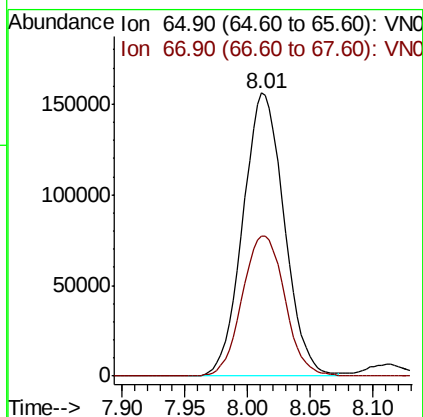
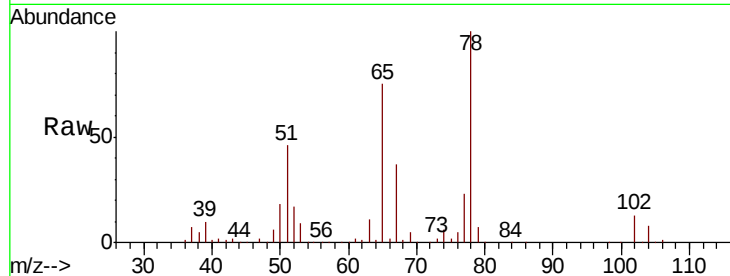




#33
 1,2-Dichloroethane-d4
 Concen: 52.770 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

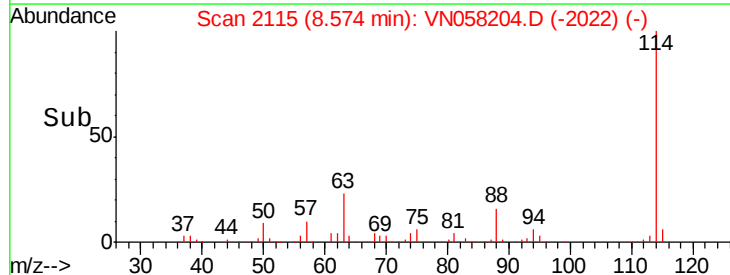
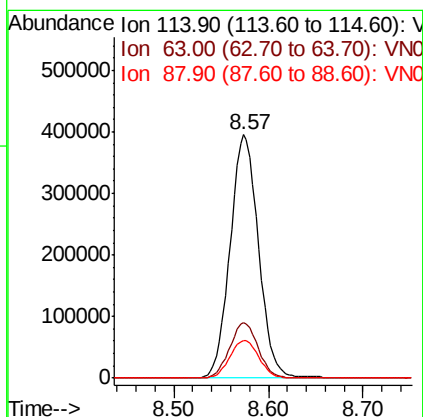
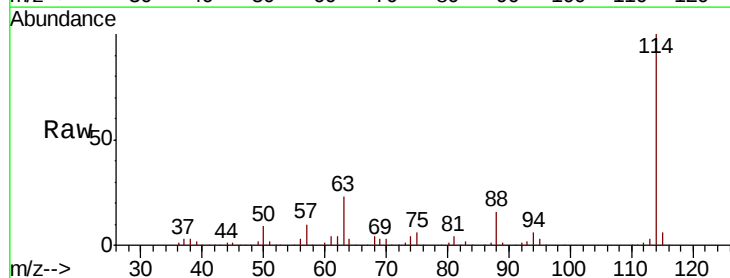
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

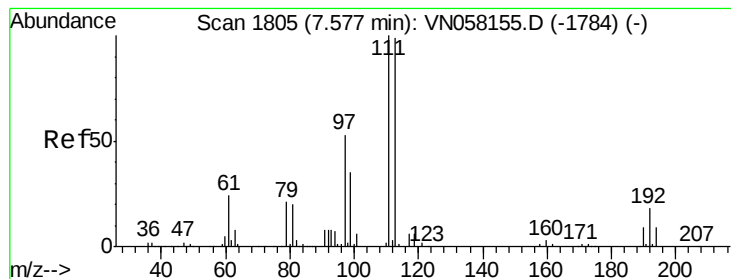
Tot Ion: 65 Resp: 358998
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion: 114 Resp: 823801
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.2
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.267 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

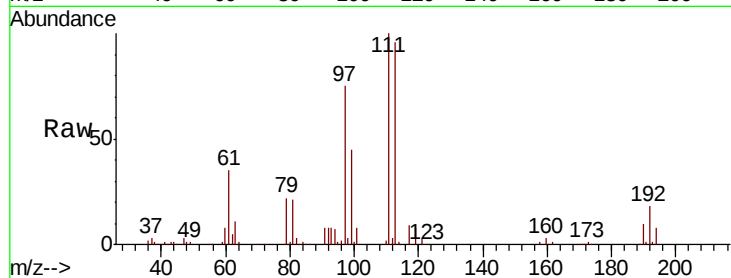
Tot Ion:113 Resp: 256748

Ion Ratio Lower Upper

113 100

111 104.9 81.8 122.6

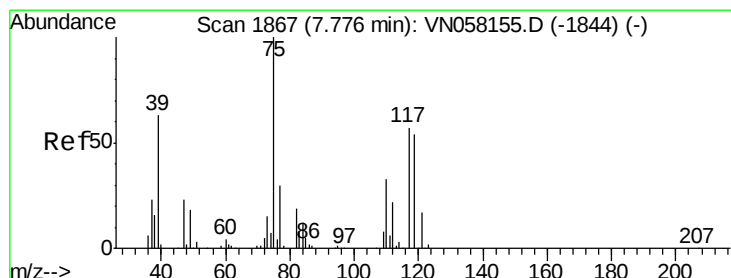
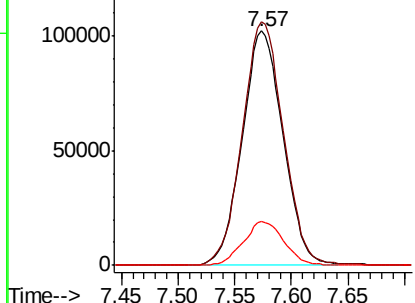
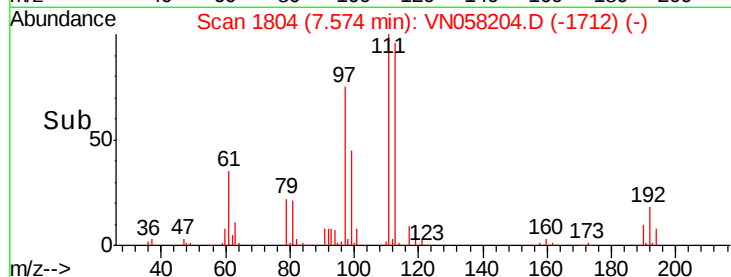
192 18.6 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 44.662 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

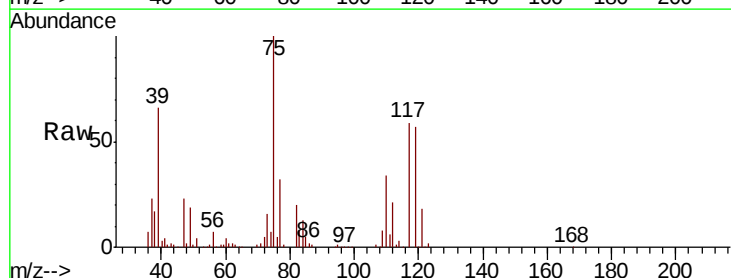
Tgt Ion: 75 Resp: 265327

Ion Ratio Lower Upper

75 100

110 34.0 16.6 49.7

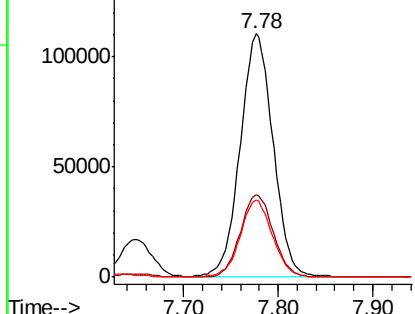
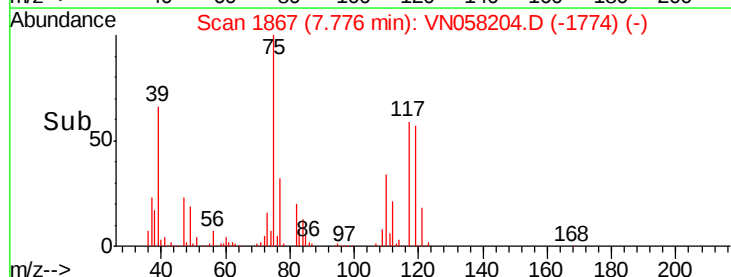
77 31.4 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

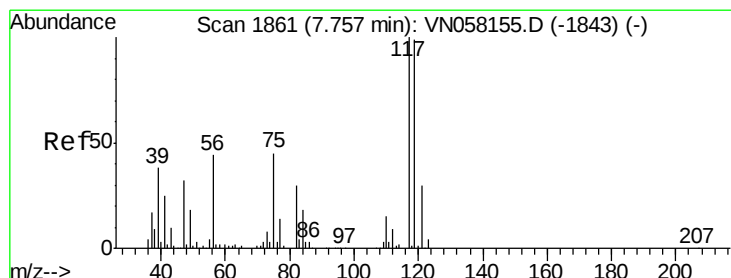
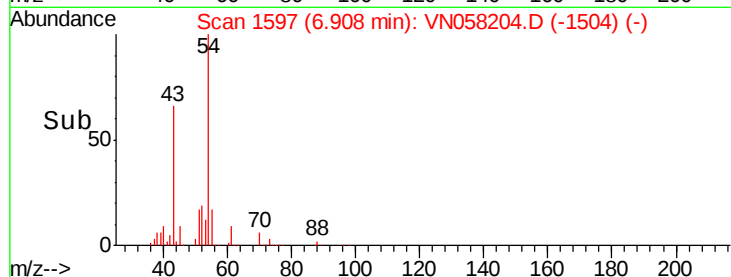
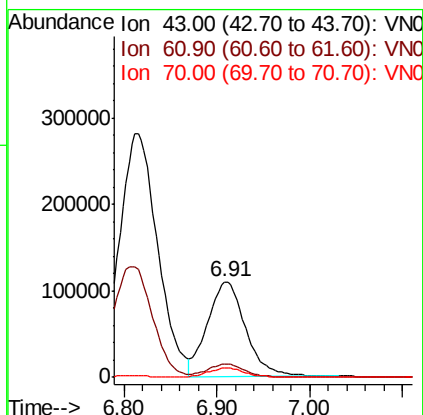
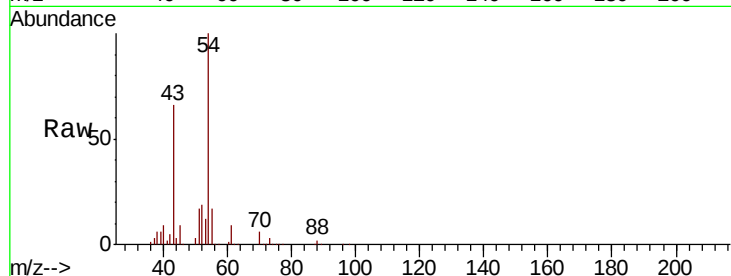




#37
Ethyl Acetate
Concen: 50.948 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

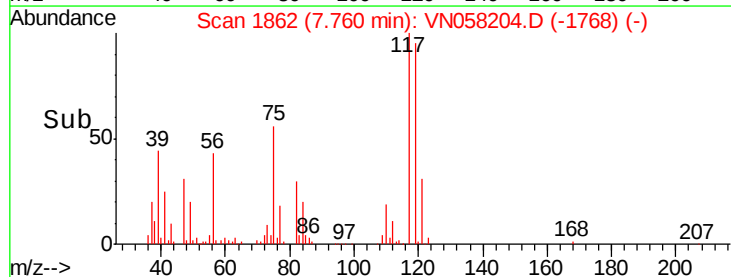
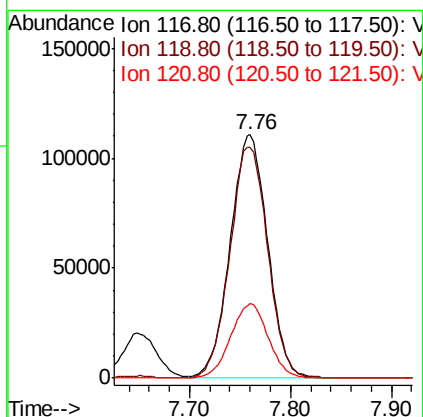
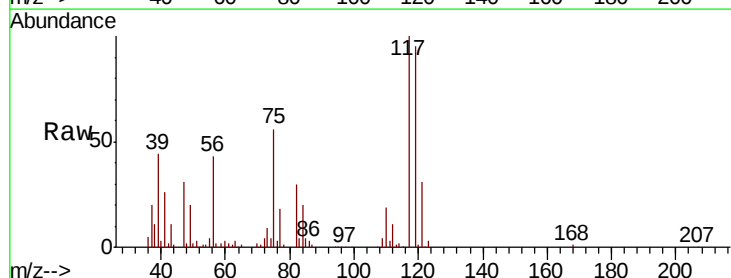
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

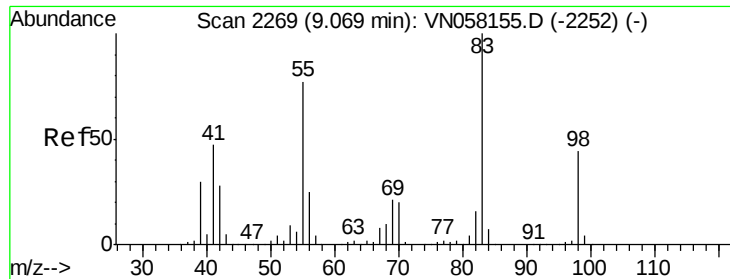
Tot Ion: 43 Resp: 314108
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 47.582 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 117 Resp: 284152
Ion Ratio Lower Upper
117 100
119 94.7 78.6 117.8
121 30.6 24.1 36.1

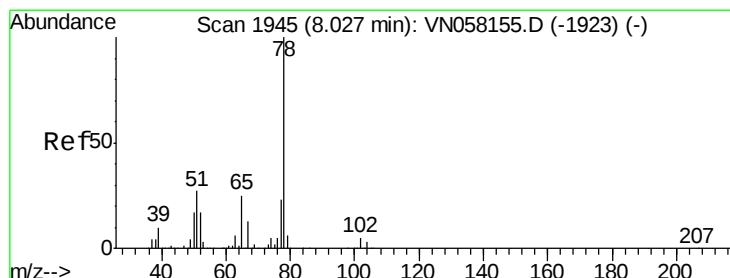
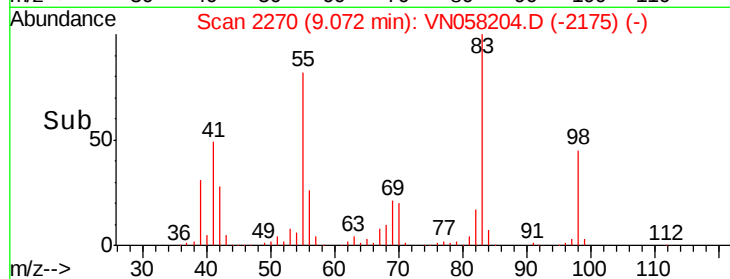
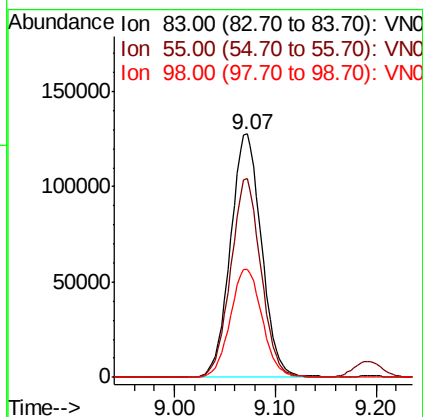
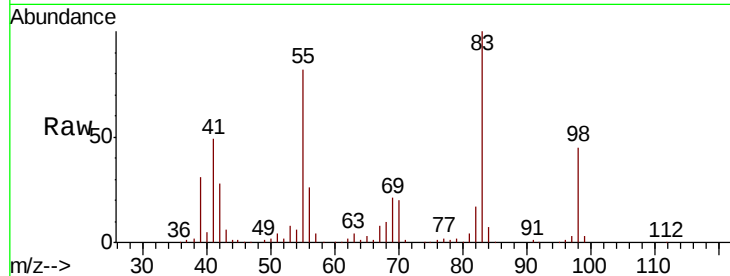




#39
Methvlcvclohexane
Concen: 47.710 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

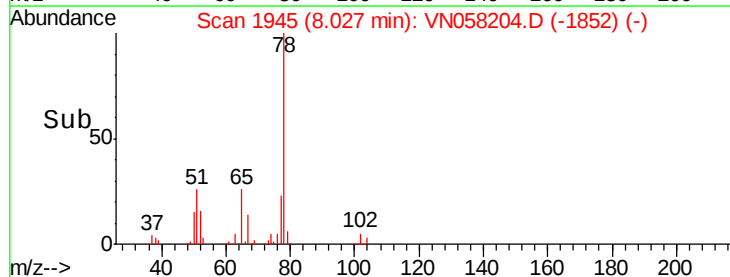
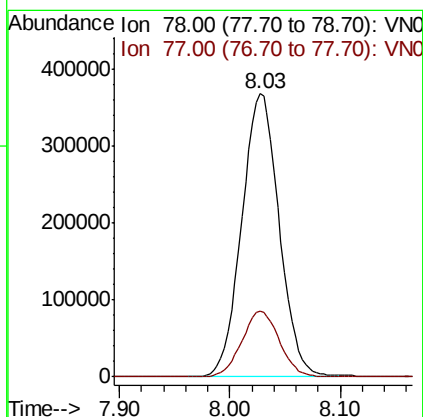
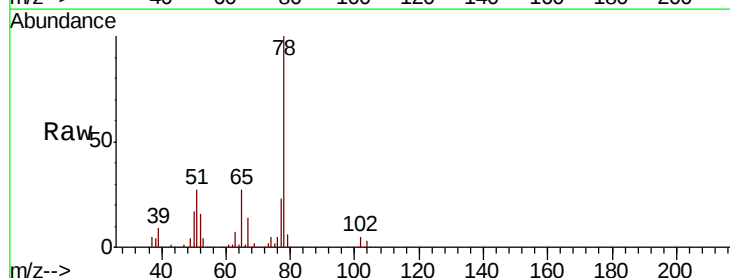
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

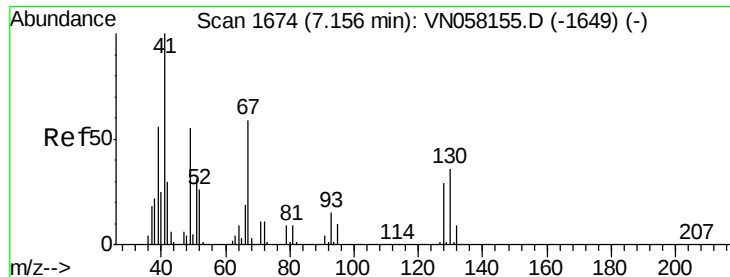
Tot Ion: 83 Resp: 274029
Ion Ratio Lower Upper
83 100
55 81.6 61.9 92.9
98 44.5 35.4 53.2



#40
Benzene
Concen: 47.712 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 78 Resp: 865745
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

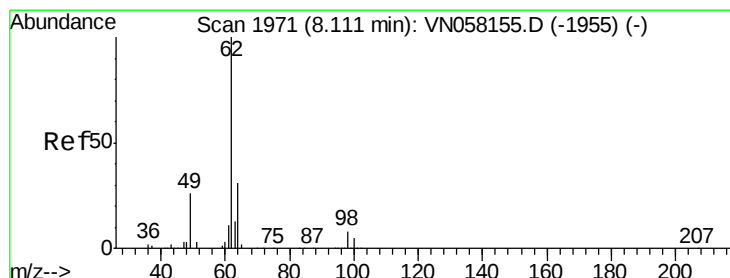
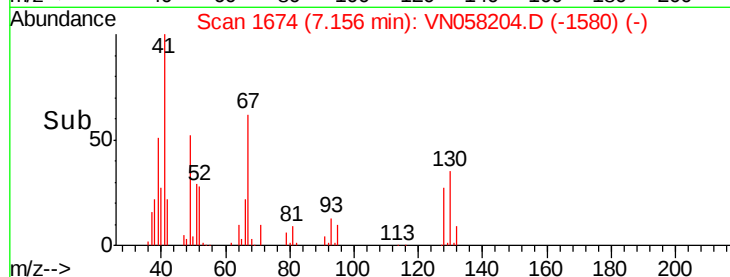
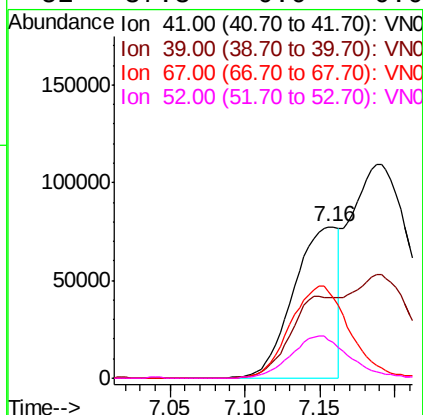
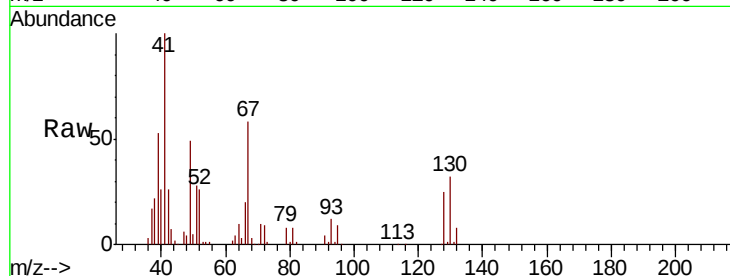




#41
Methacrylonitrile
Concen: 51.149 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

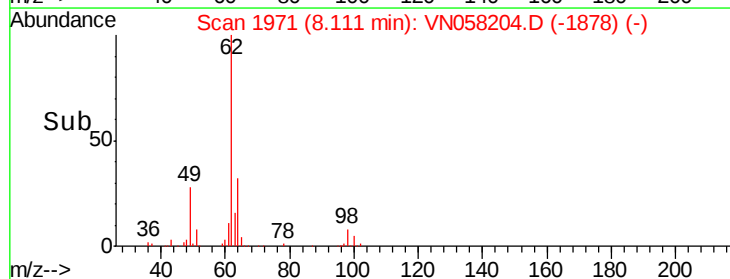
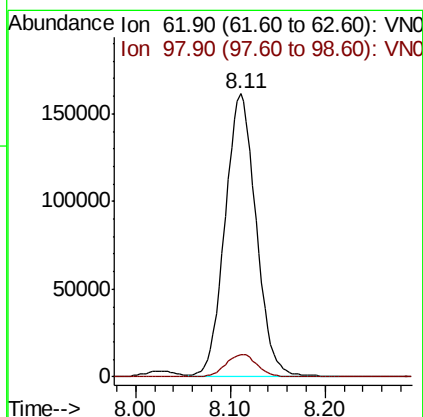
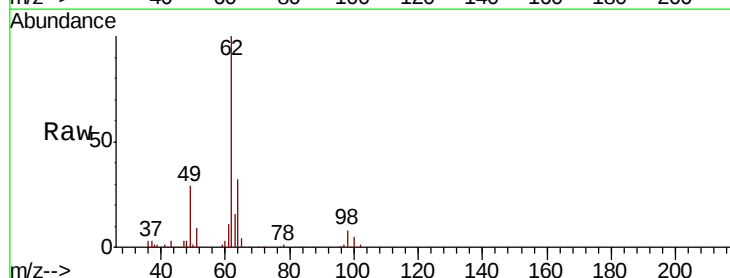
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

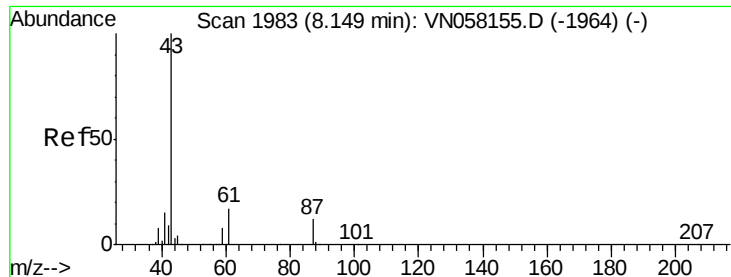
Tot Ion:	41	Resp:	158931
Ion	Ratio	Lower	Upper
41	100		
39	46.7	0.0	0.0#
67	81.7	0.0	0.0#
52	37.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 48.272 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion:	62	Resp:	367540
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 49.465 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

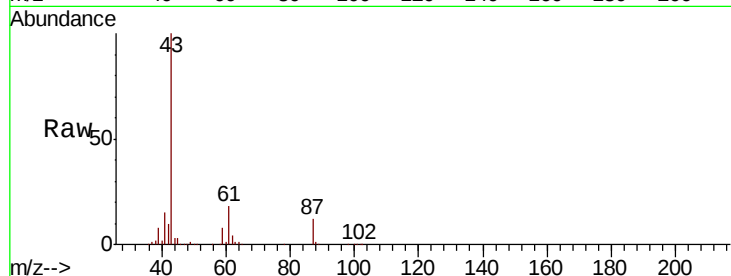
Tot Ion: 43 Resp: 569561

Ion Ratio Lower Upper

43 100

61 24.2 19.7 29.5

87 11.8 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)

8.15

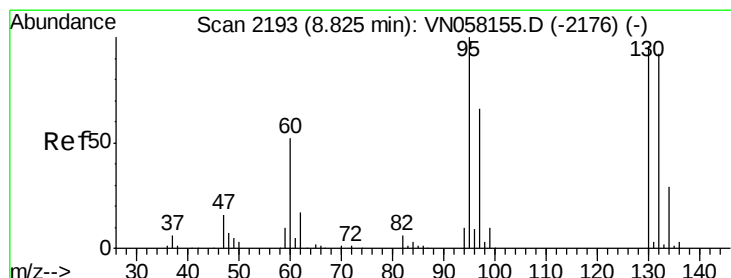
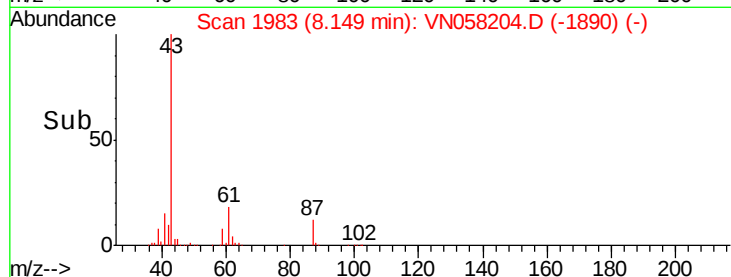
300000

200000

100000

0

Time-->



#44

Trichloroethene

Concen: 47.669 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058204.D

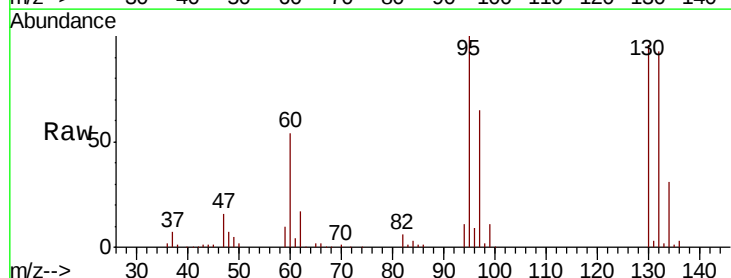
Acq: 19 Sep 2019 14:53

Tgt Ion: 130 Resp: 211670

Ion Ratio Lower Upper

130 100

95 103.8 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

8.82

120000

100000

80000

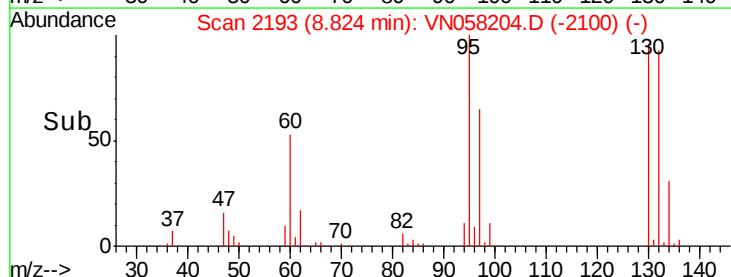
60000

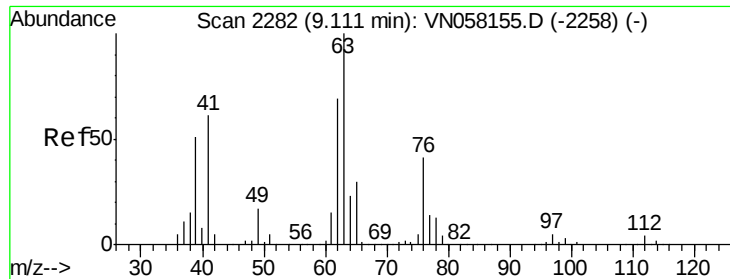
40000

20000

0

Time-->

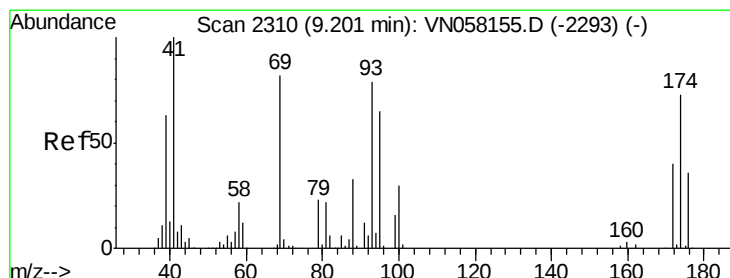
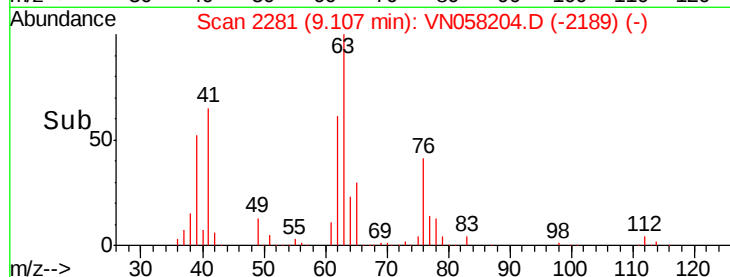
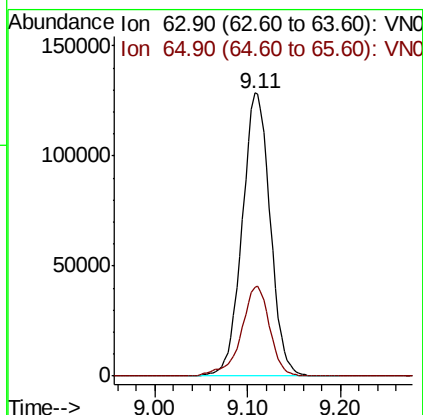
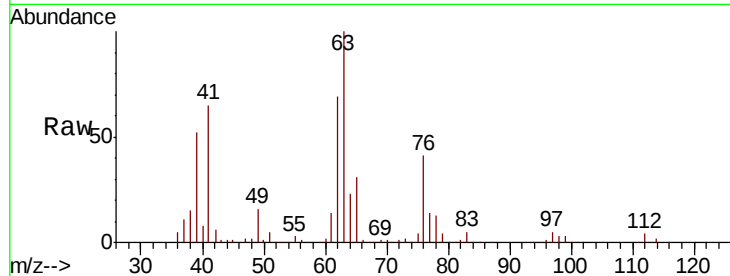




#45
 1,2-Dichloropropane
 Concen: 49.715 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

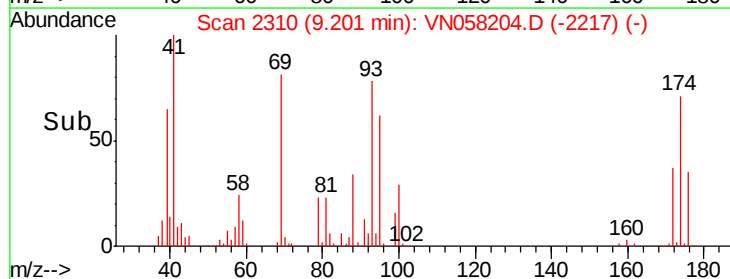
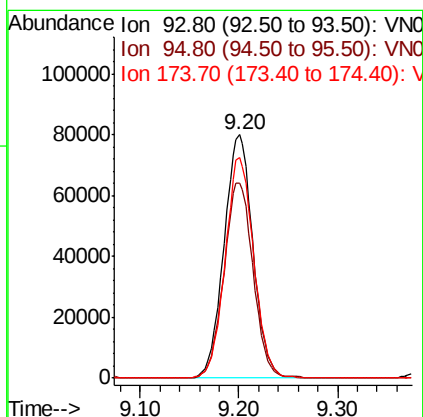
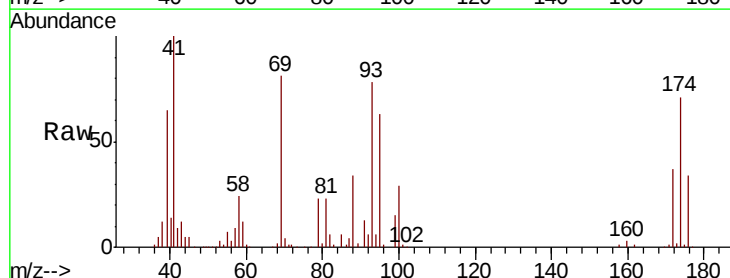
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 269400
 Ion Ratio Lower Upper
 63 100
 65 31.4 23.8 35.6



#46
 Dibromomethane
 Concen: 49.931 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion: 93 Resp: 164501
 Ion Ratio Lower Upper
 93 100
 95 80.6 66.8 100.2
 174 89.6 73.8 110.8





#47

Bromodichloromethane

Concen: 51.337 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

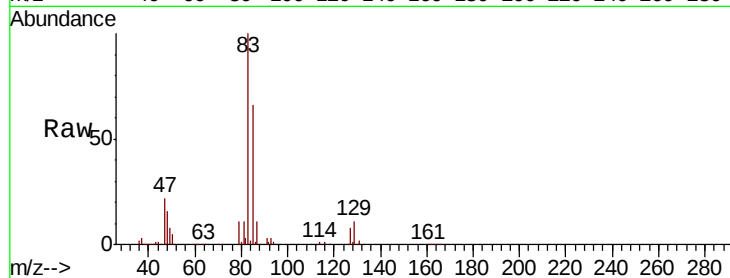
Tot Ion: 83 Resp: 354328

Ion Ratio Lower Upper

83 100

85 65.6 50.1 75.1

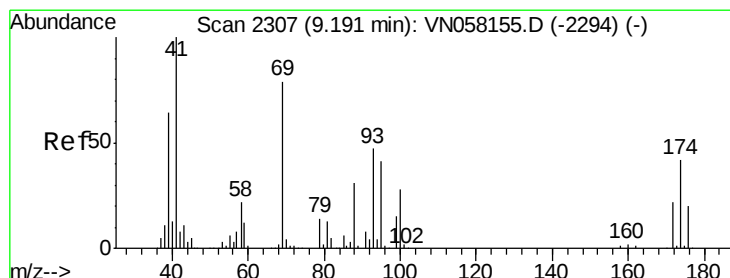
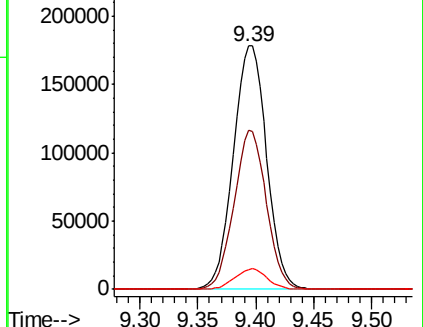
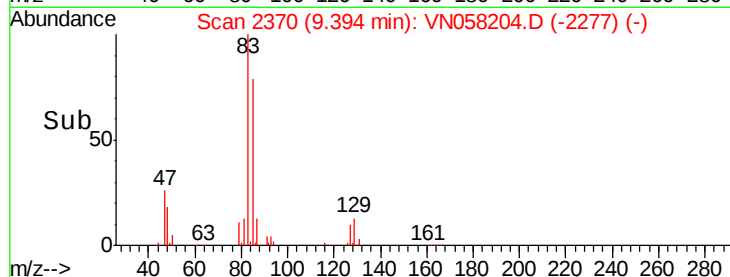
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058204.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058204.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058204.D (-2277) (-)



#48

Methyl methacrylate

Concen: 51.471 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

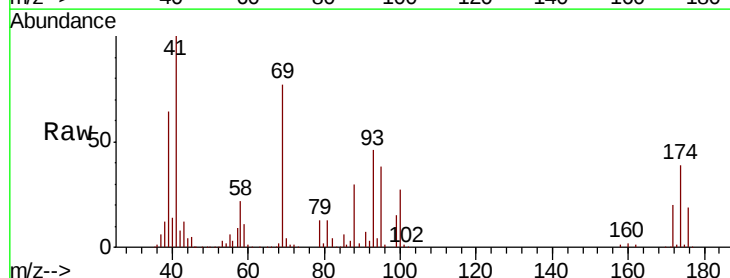
Tgt Ion: 41 Resp: 269090

Ion Ratio Lower Upper

41 100

69 79.1 62.5 93.7

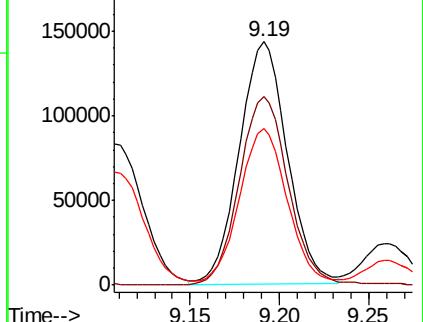
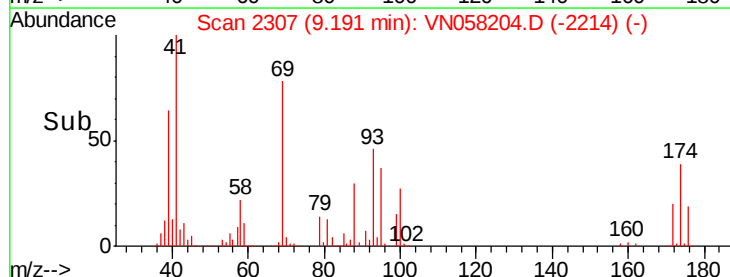
39 64.7 52.3 78.5

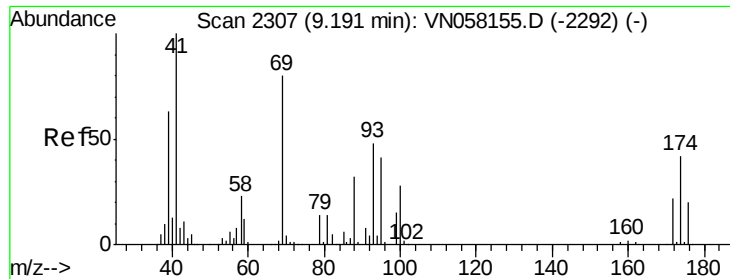


Abundance Ion 41.00 (40.70 to 41.70): VN058204.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058204.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058204.D (-2214) (-)

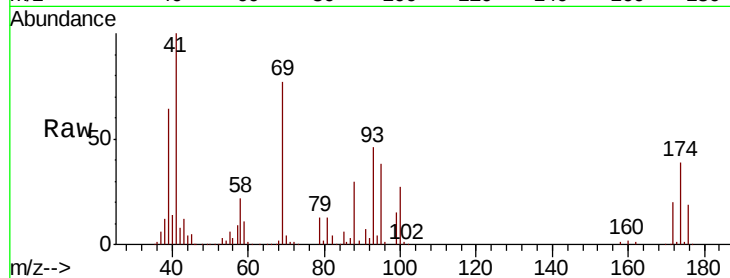




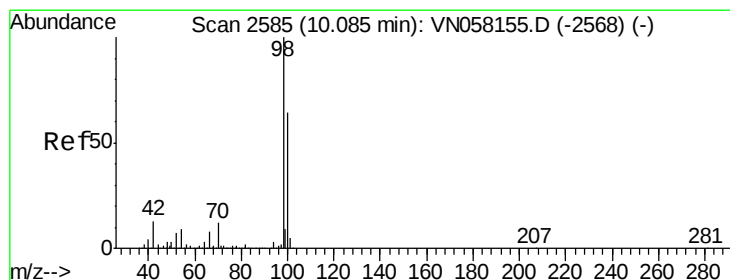
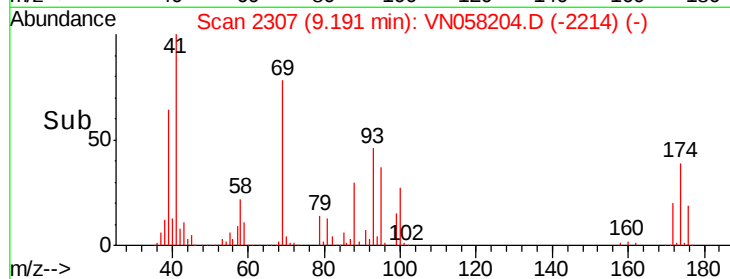
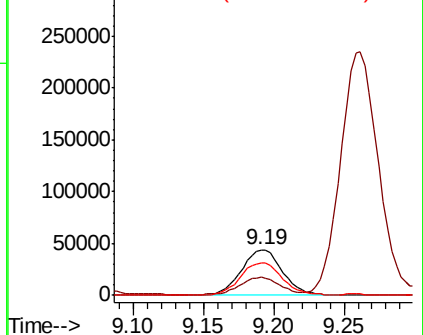
#49
1,4-Dioxane
Concen: 1052.116 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 90307
Ion Ratio Lower Upper
88 100
43 36.3 27.8 41.8
58 73.0 55.0 82.4

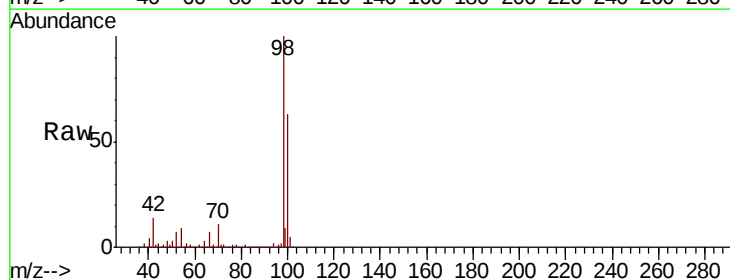


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

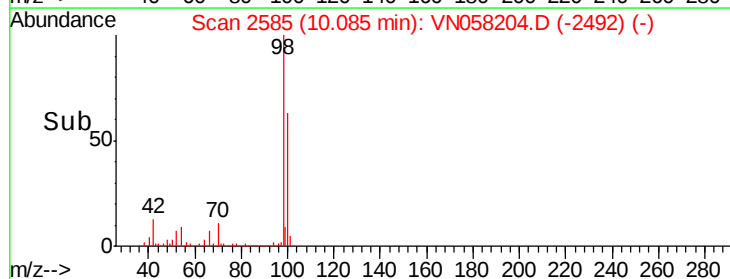
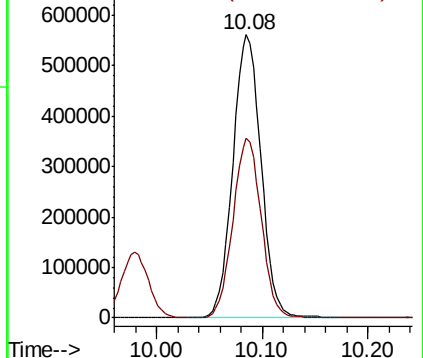


#50
Toluene-d8
Concen: 53.174 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 98 Resp: 1037546
Ion Ratio Lower Upper
98 100
100 64.0 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: 286.466 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

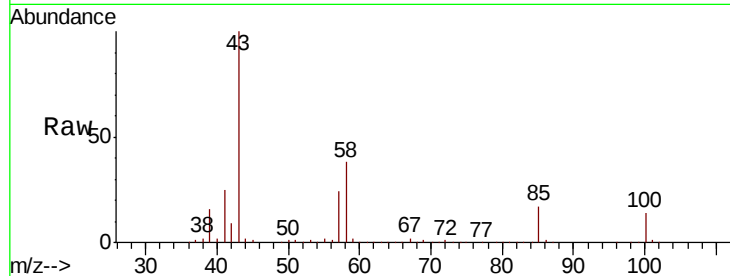
VSTDCCC050EC

Tot Ion: 43 Resp: 1751996

Ion Ratio Lower Upper

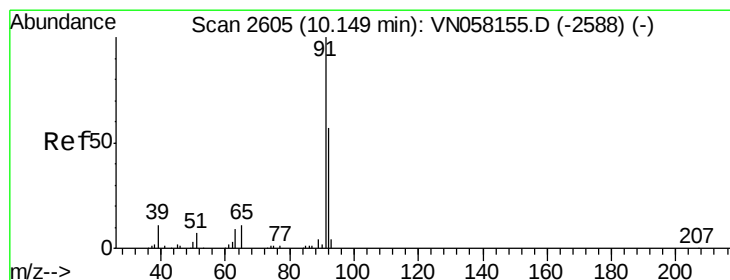
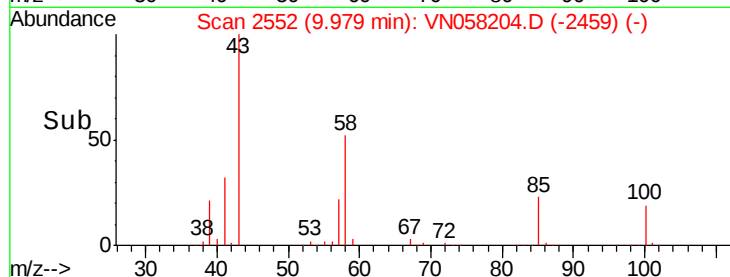
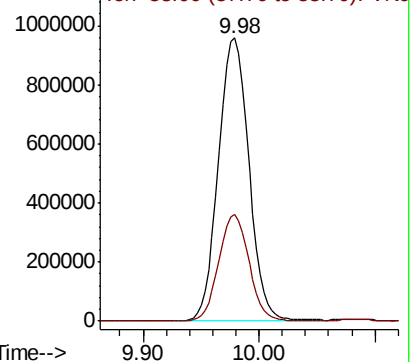
43 100

58 37.2 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.161 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058204.D

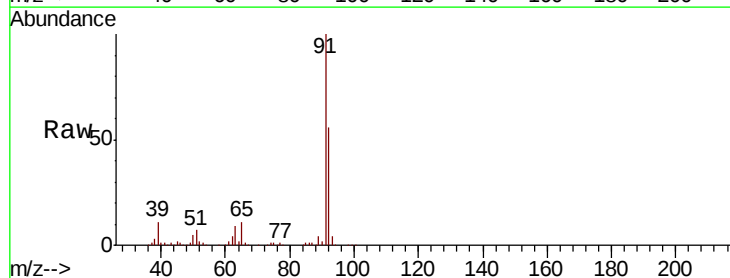
Acq: 19 Sep 2019 14:53

Tgt Ion: 92 Resp: 547677

Ion Ratio Lower Upper

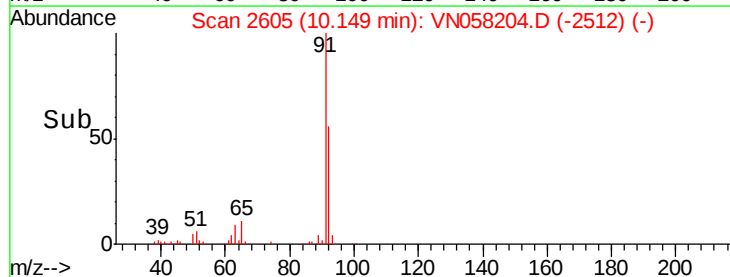
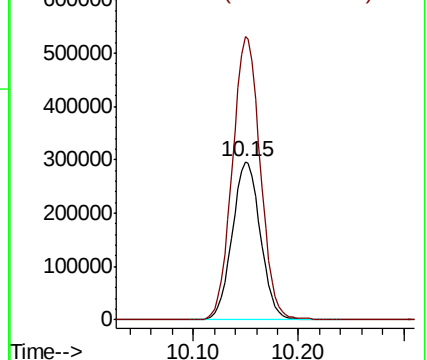
92 100

91 177.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.832 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

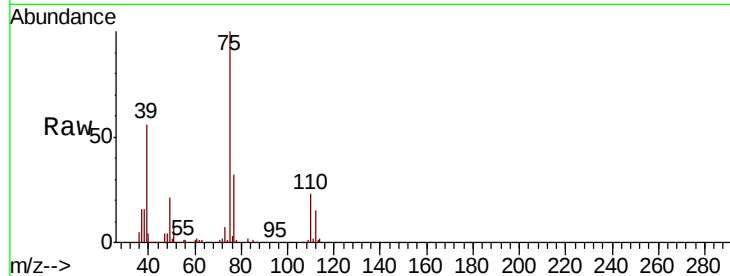
VSTDCCC050EC

Tot Ion: 75 Resp: 373531

Ion Ratio Lower Upper

75 100

77 31.6 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

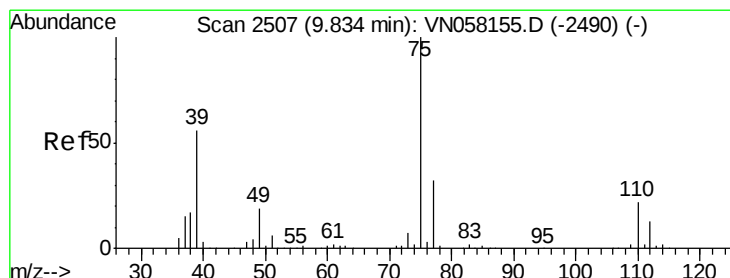
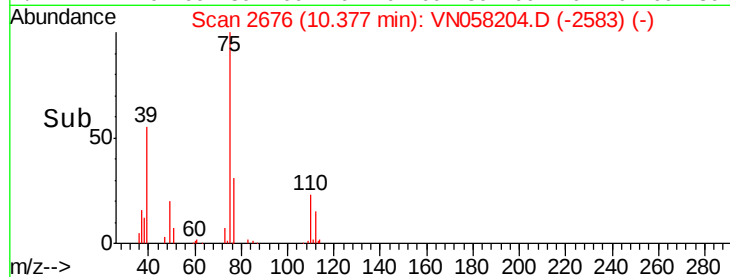
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.554 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

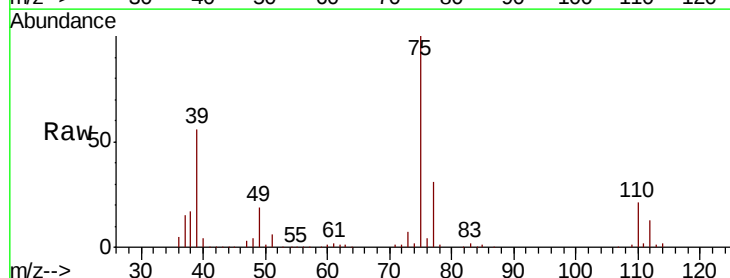
Tgt Ion: 75 Resp: 402422

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 56.0 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

9.83

300000

250000

200000

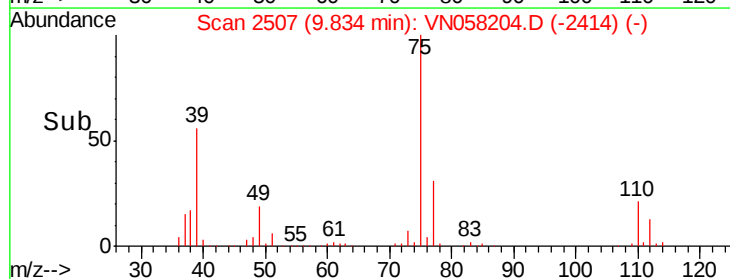
150000

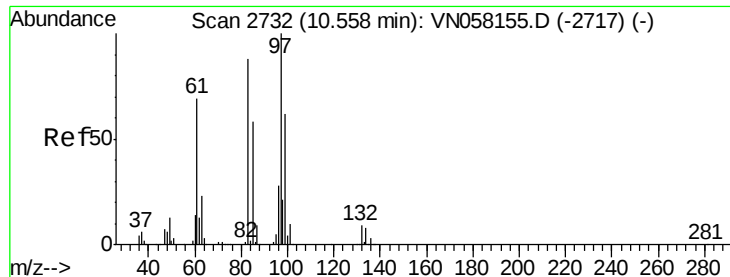
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.242 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 258596

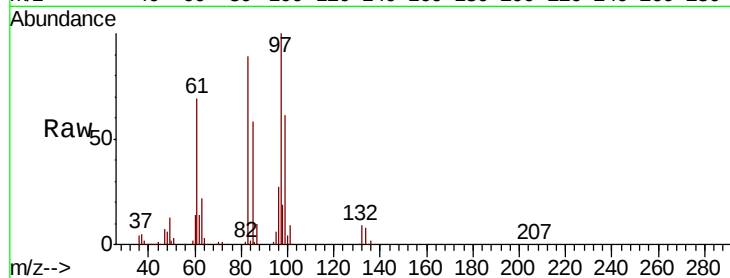
Ion Ratio Lower Upper

97 100

83 88.6 70.4 105.6

85 58.0 46.8 70.2

99 61.5 49.9 74.9



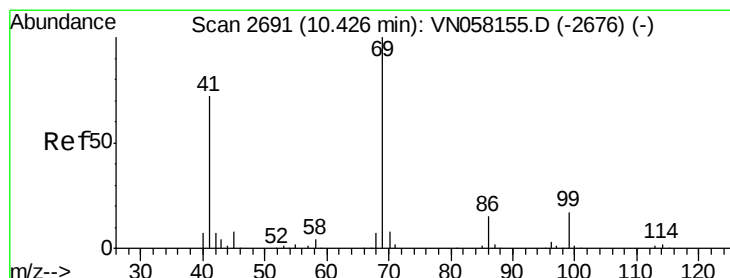
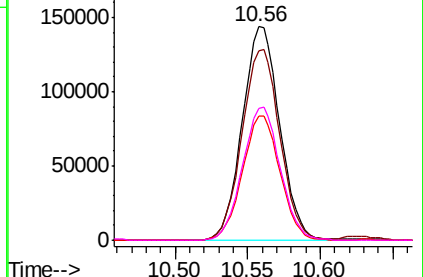
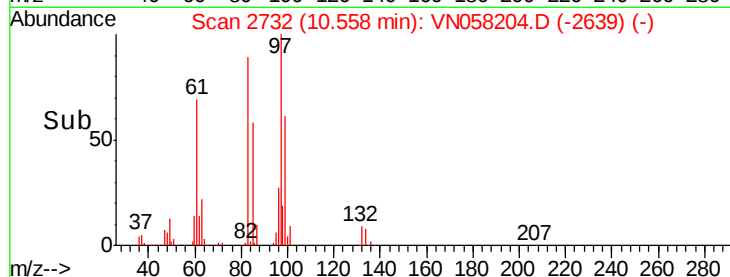
Abundance Ion 96.90 (96.60 to 97.60): VN0

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

10.56



#56

Ethyl methacrylate

Concen: 53.235 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

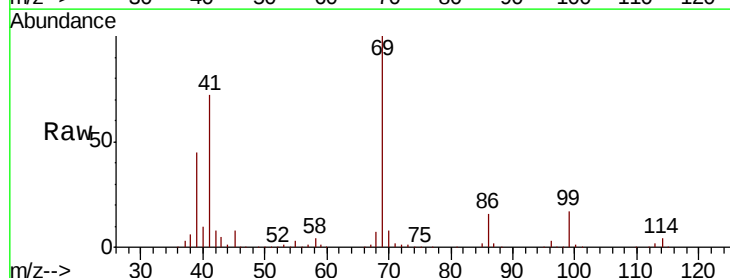
Tgt Ion: 69 Resp: 387620

Ion Ratio Lower Upper

69 100

41 70.9 57.5 86.3

39 44.4 36.1 54.1

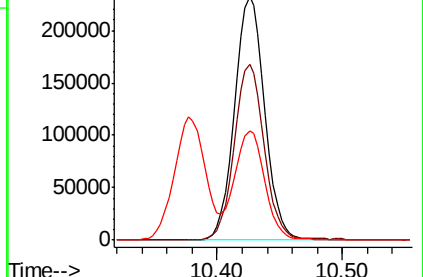
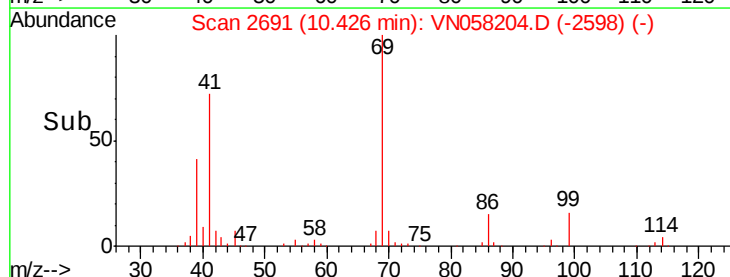


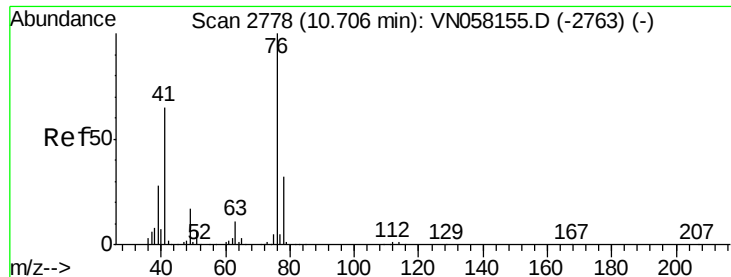
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.43





#57

1,3-Dichloropropane

Concen: 50.212 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

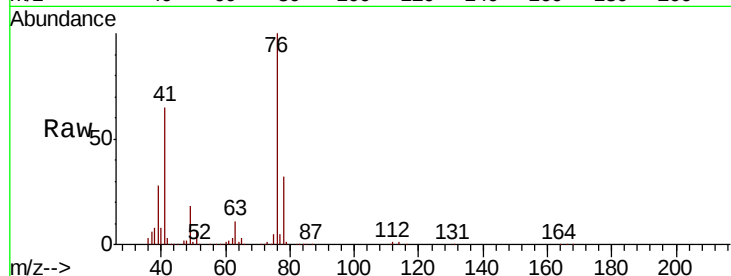
VSTDCCC050EC

Tot Ion: 76 Resp: 435620

Ion Ratio Lower Upper

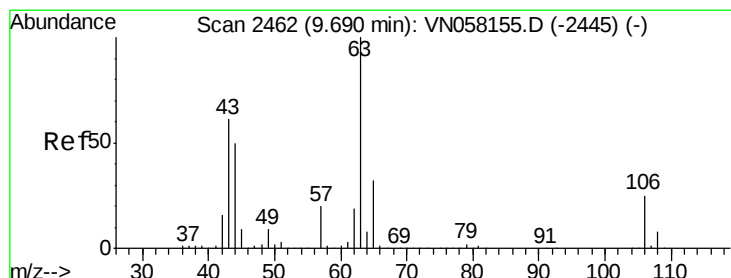
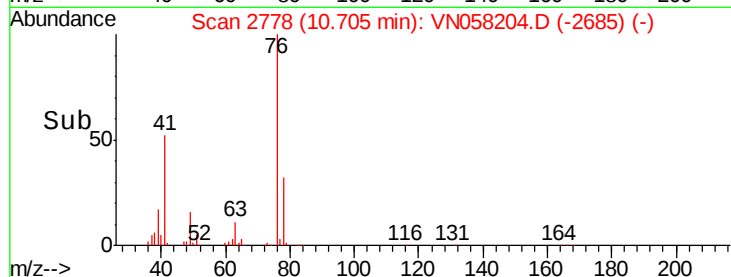
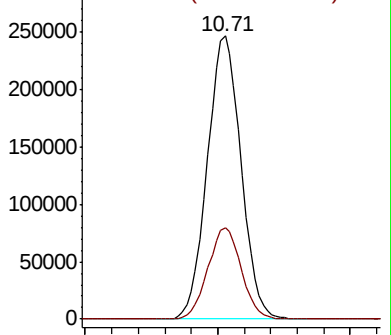
76 100

78 32.1 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: 271.101 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058204.D

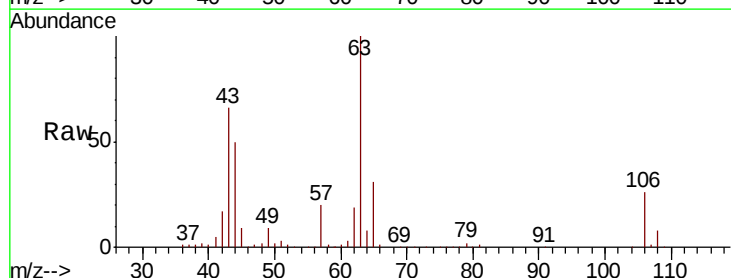
Acq: 19 Sep 2019 14:53

Tgt Ion: 63 Resp: 940256

Ion Ratio Lower Upper

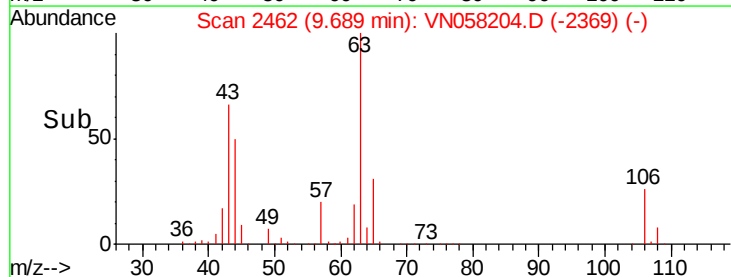
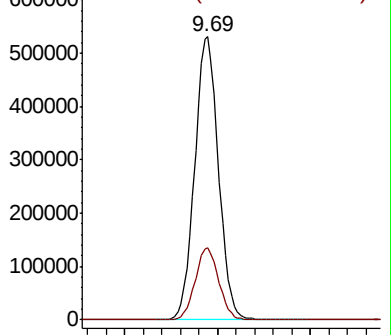
63 100

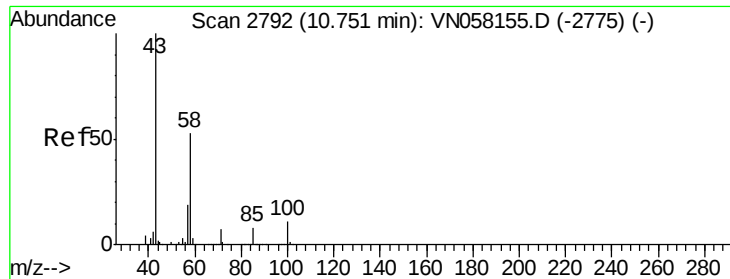
106 25.3 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

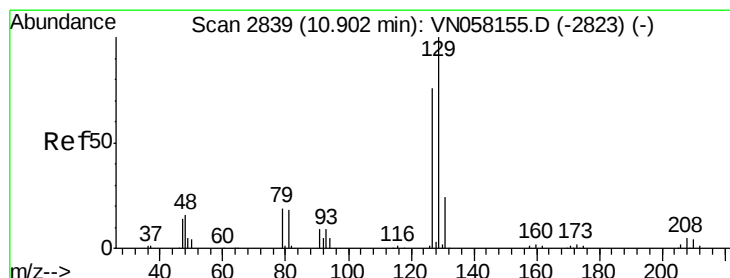
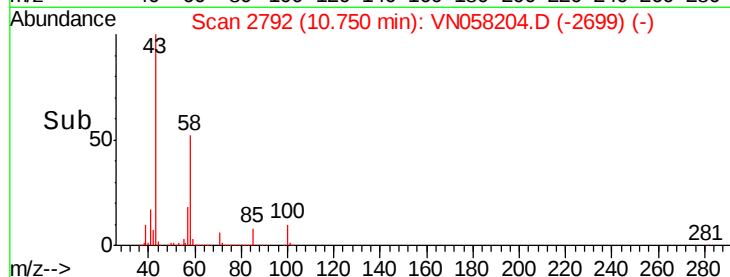
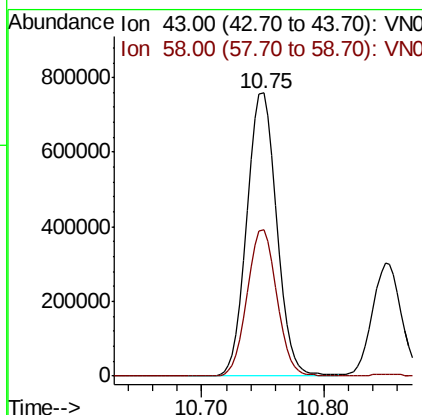
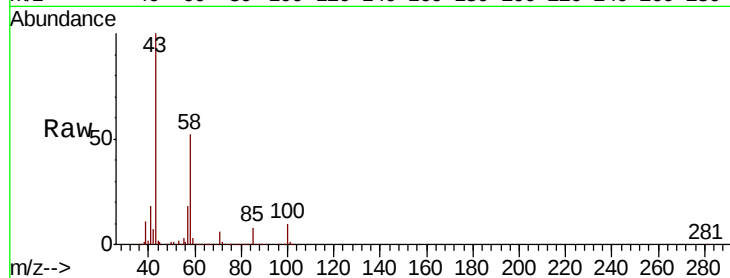




#59
2-Hexanone
Concen: 280.498 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

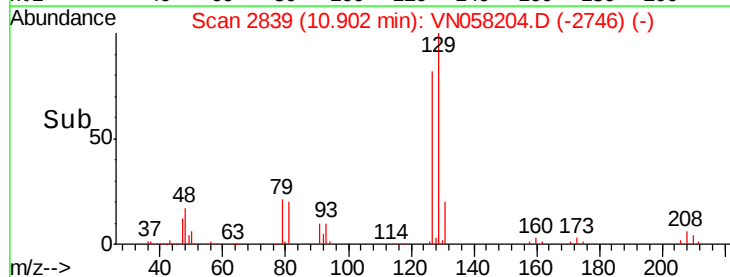
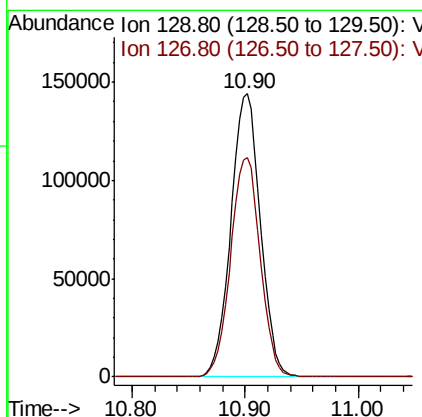
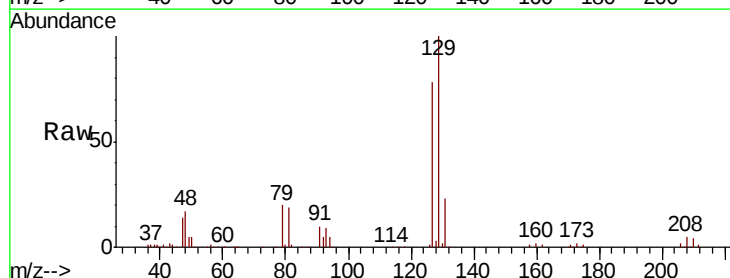
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

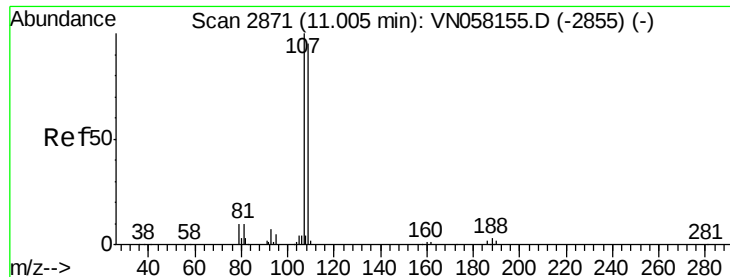
Tot Ion: 43 Resp: 1274080
Ion Ratio Lower Upper
43 100
58 51.4 26.0 78.0



#60
Dibromochloromethane
Concen: 53.899 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 129 Resp: 261680
Ion Ratio Lower Upper
129 100
127 77.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 51.062 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

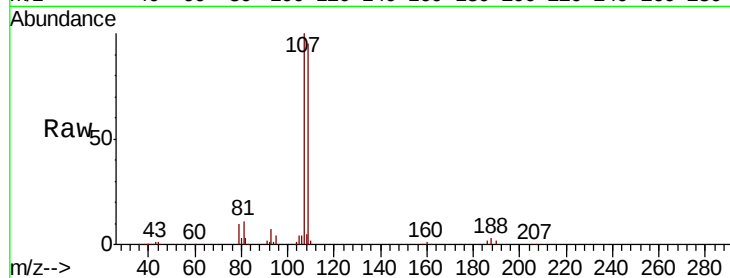
VSTDCCC050EC

Tot Ion: 107 Resp: 238807

Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

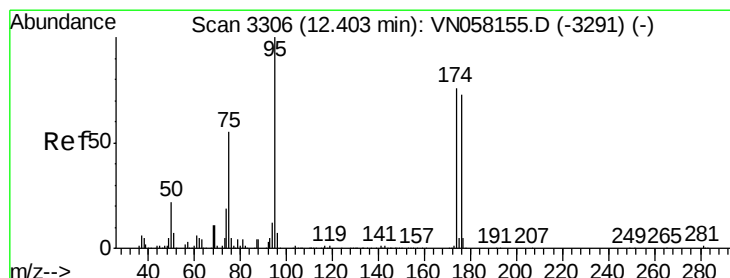
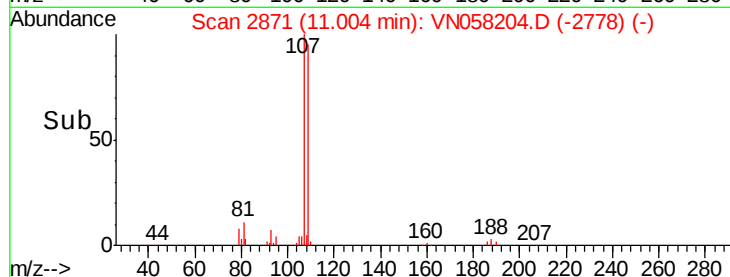
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.329 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

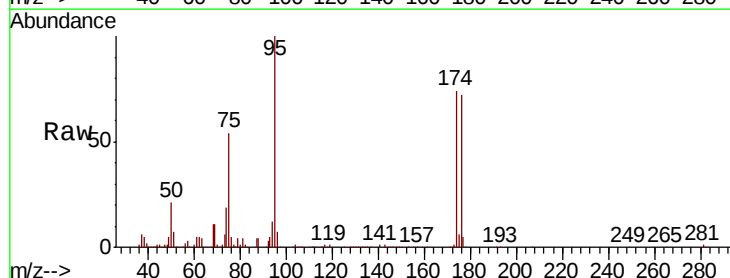
Tgt Ion: 95 Resp: 379283

Ion Ratio Lower Upper

95 100

174 76.8 0.0 152.2

176 73.7 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

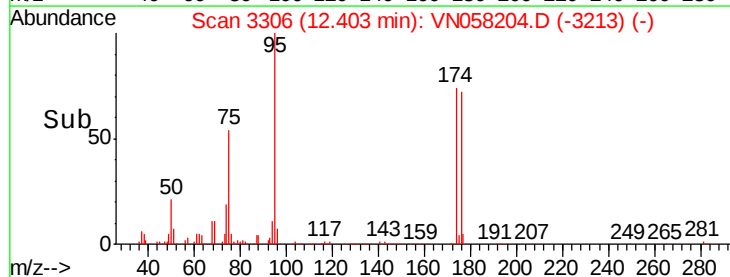
150000

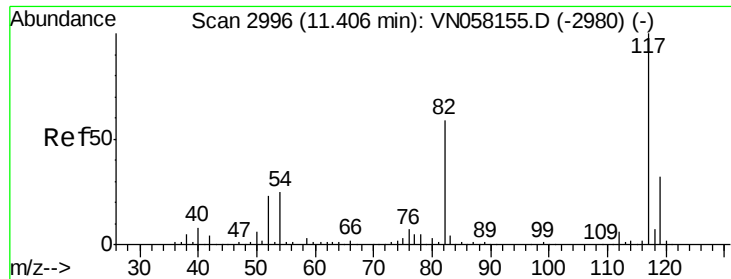
100000

50000

0

Time-->

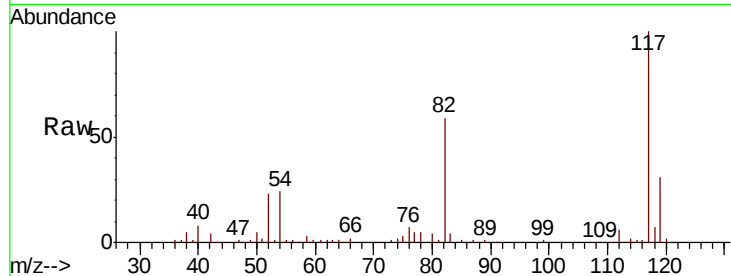




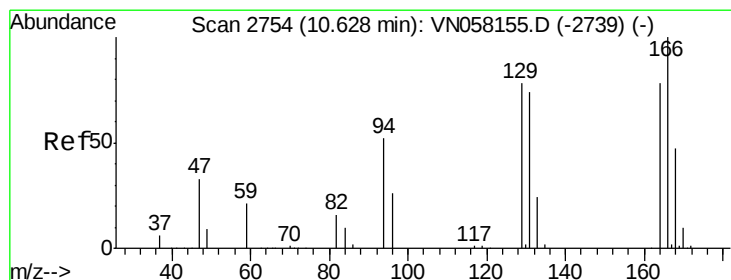
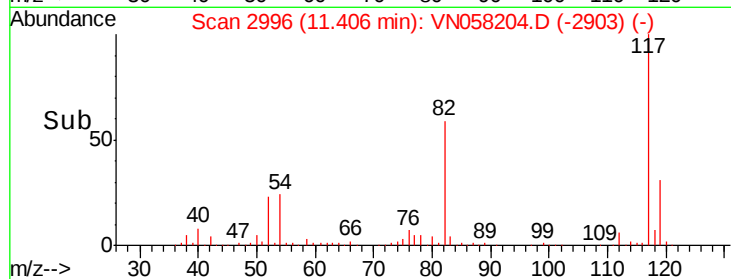
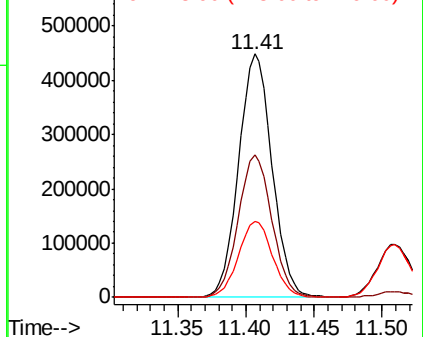
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 764696
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 31.3 25.3 37.9

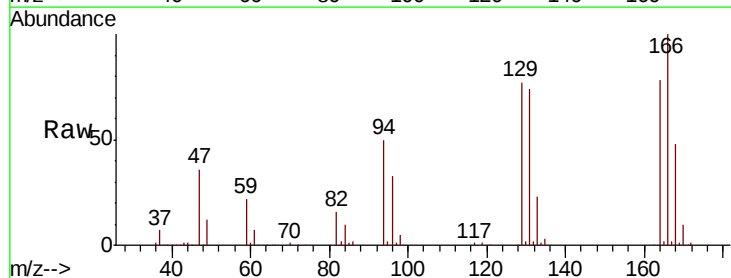


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

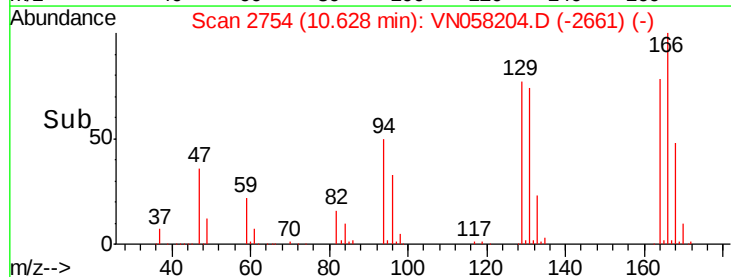
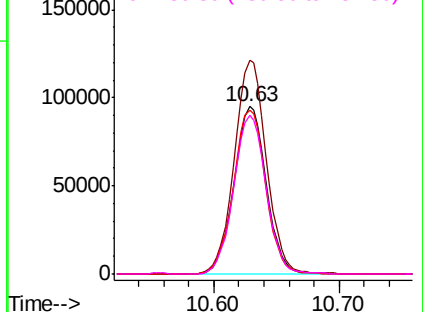


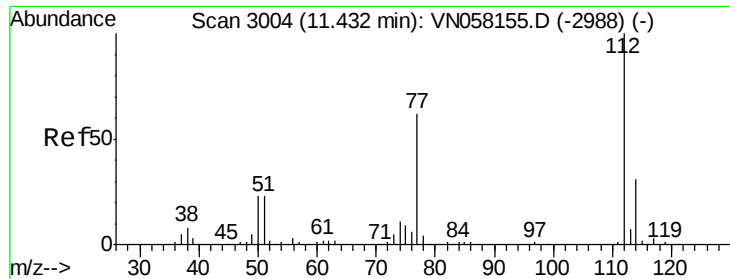
#64
Tetrachloroethene
Concen: 45.590 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion:164 Resp: 169945
Ion Ratio Lower Upper
164 100
166 127.7 102.2 153.4
129 98.3 79.6 119.4
131 94.9 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

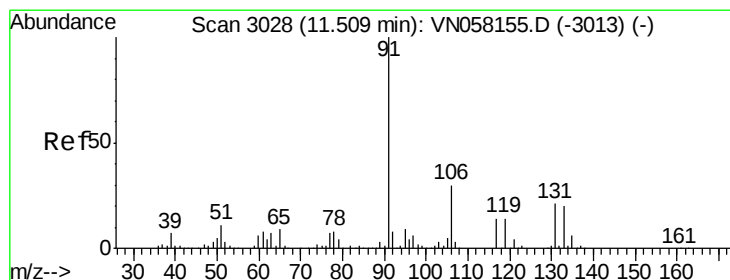
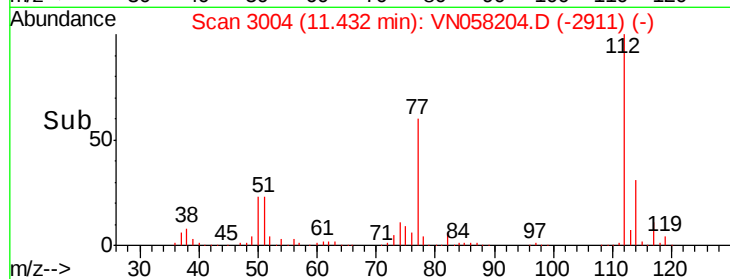
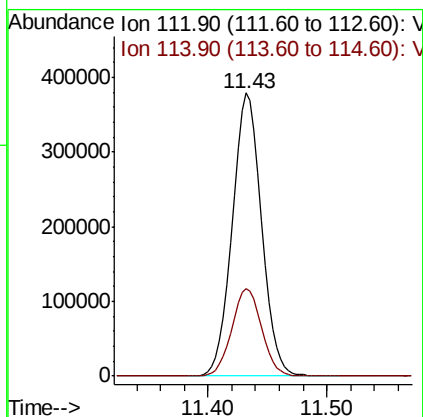
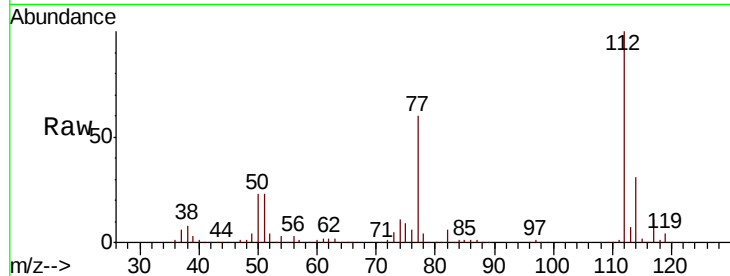




#65
Chlorobenzene
Concen: 47.927 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

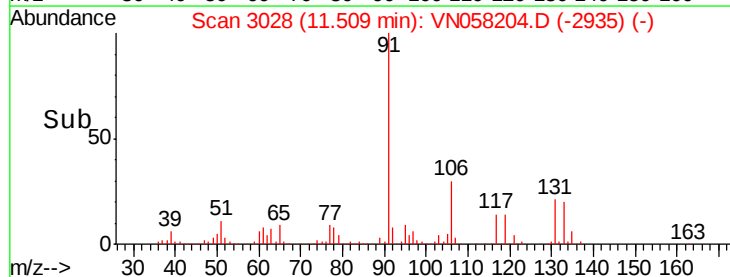
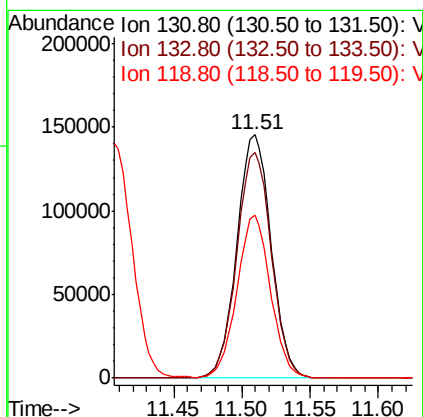
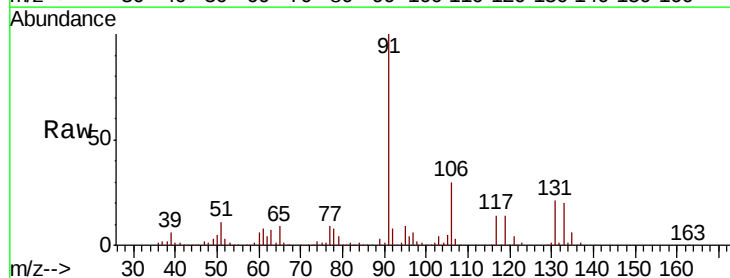
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

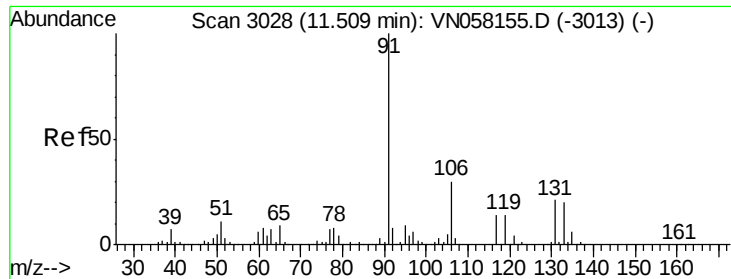
Tot Ion:112 Resp: 644643
Ion Ratio Lower Upper
112 100
114 30.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 52.052 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion:131 Resp: 253868
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.3
119 65.6 33.1 99.3

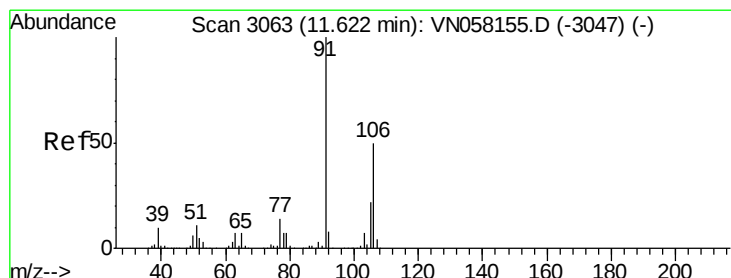
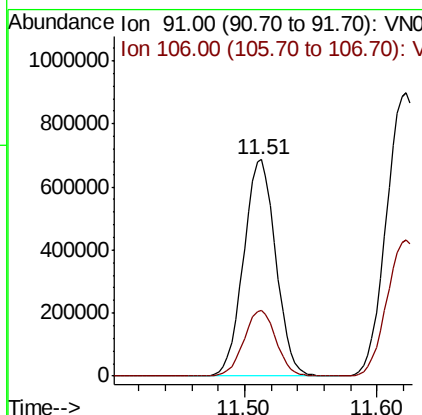
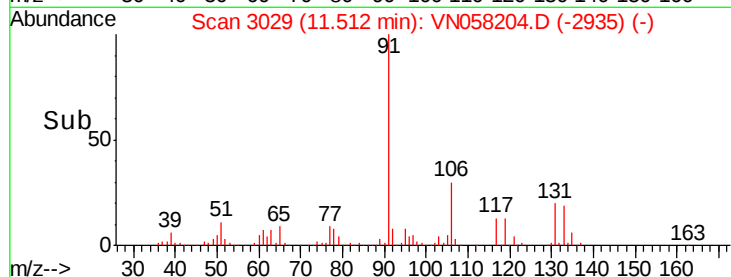
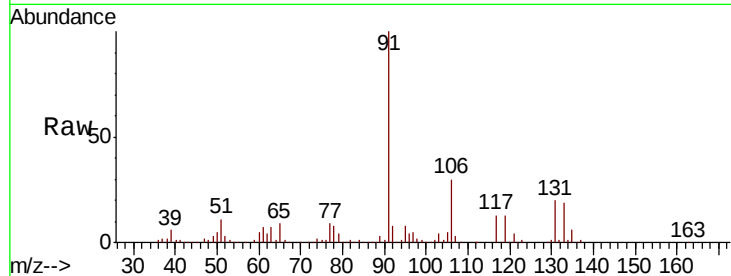




#67
Ethyl Benzene
Concen: 50.255 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

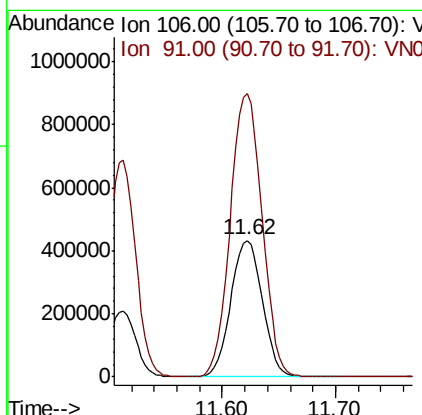
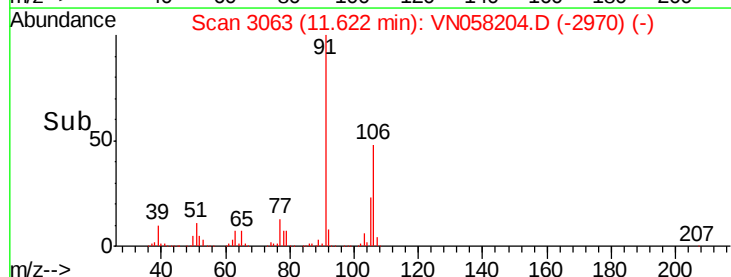
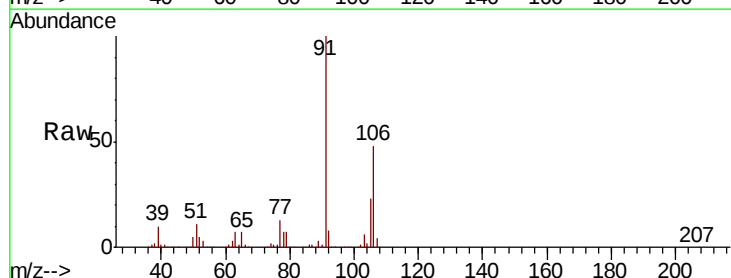
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

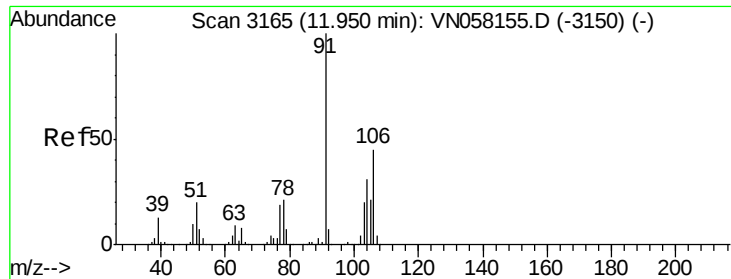
Tot Ion: 91 Resp: 1158236
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0



#68
m/p-Xylenes
Concen: 97.079 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion: 106 Resp: 842673
Ion Ratio Lower Upper
106 100
91 208.7 163.6 245.4

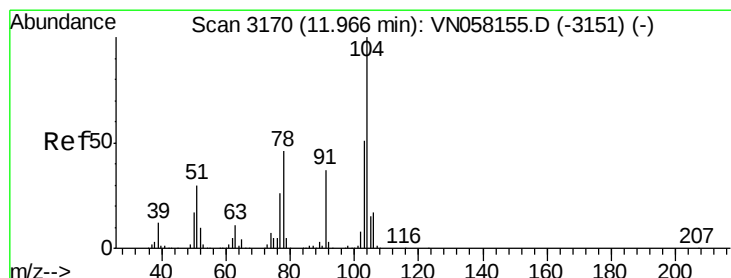
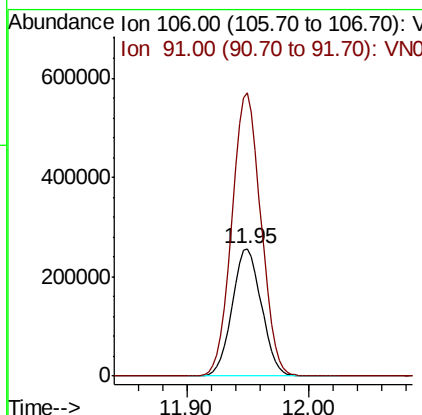
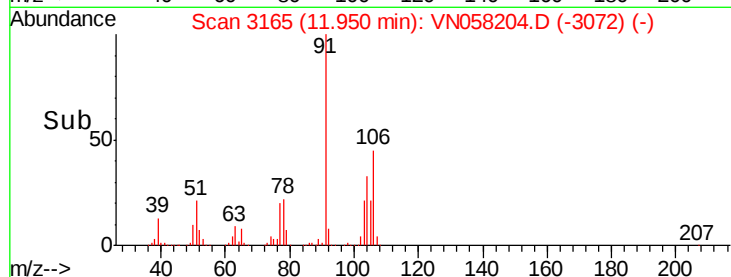
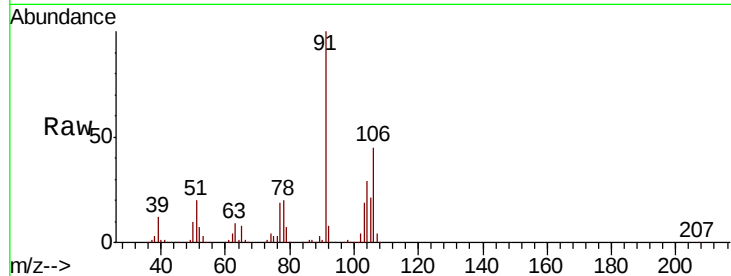




#69
o-Xylene
Concen: 50.162 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

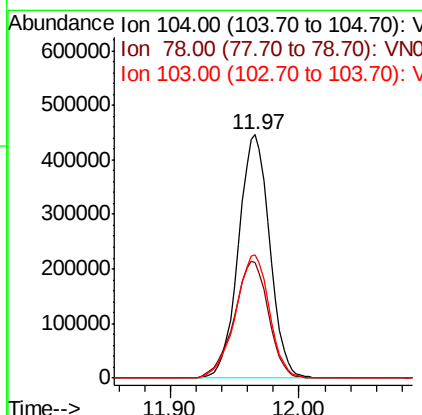
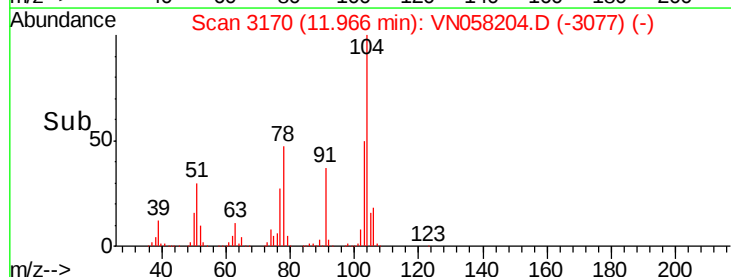
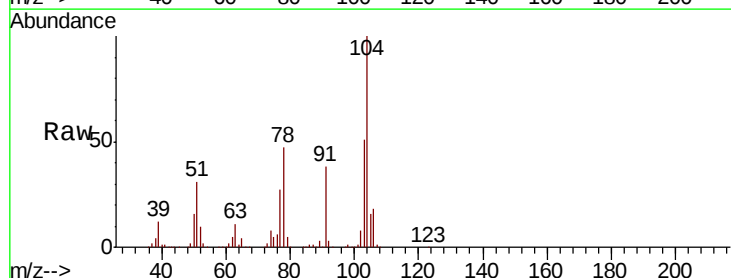
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

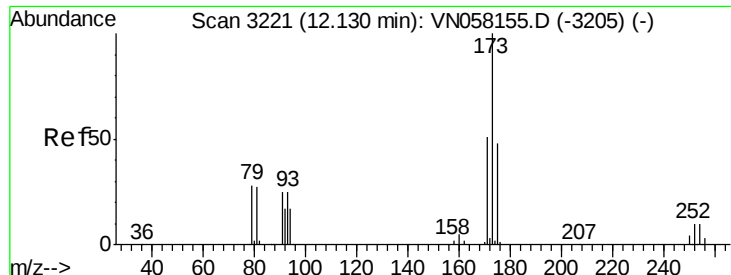
Tot Ion:106 Resp: 428140
Ion Ratio Lower Upper
106 100
91 221.0 111.8 335.3



#70
Styrene
Concen: 51.118 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058204.D
Acq: 19 Sep 2019 14:53

Tgt Ion:104 Resp: 751748
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 54.9 44.2 66.2





#71

Bromoform

Concen: 46.538 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

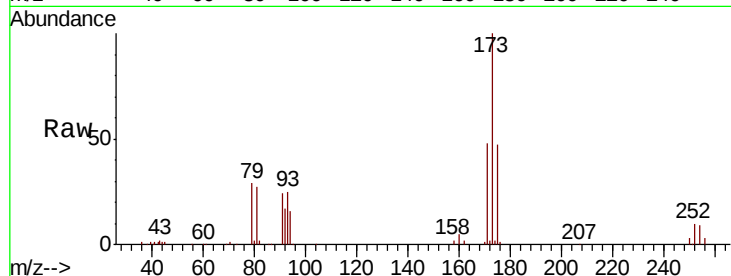
Tot Ion:173 Resp: 167308

Ion Ratio Lower Upper

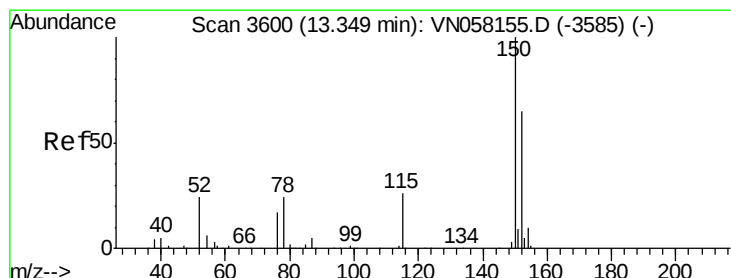
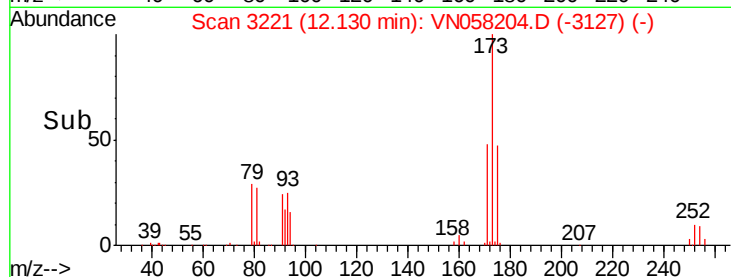
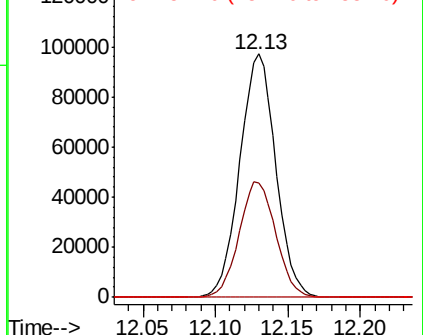
173 100

175 48.5 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: VN058204.D

Acq: 19 Sep 2019 14:53

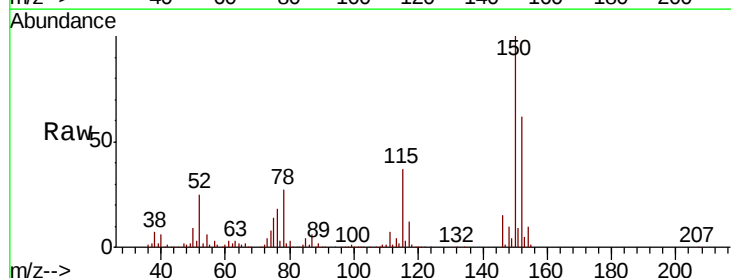
Tgt Ion:152 Resp: 378721

Ion Ratio Lower Upper

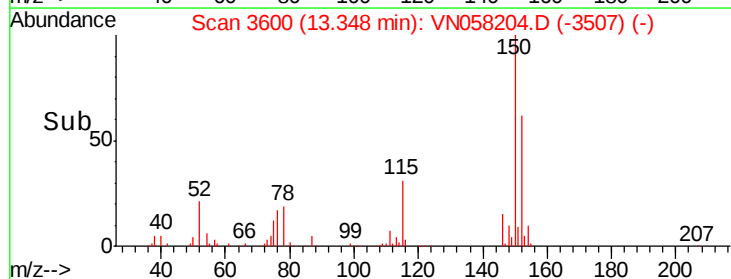
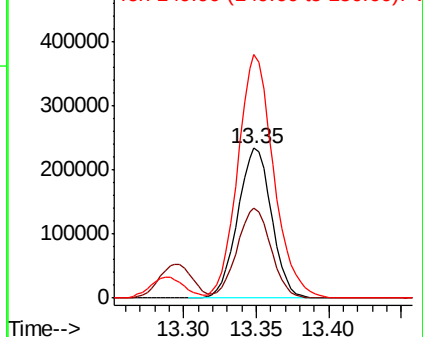
152 100

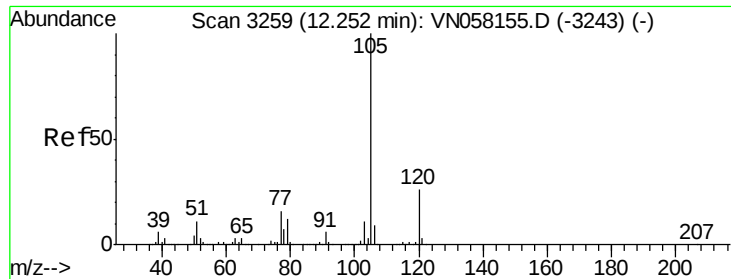
115 59.9 30.1 90.3

150 171.9 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: 51.102 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

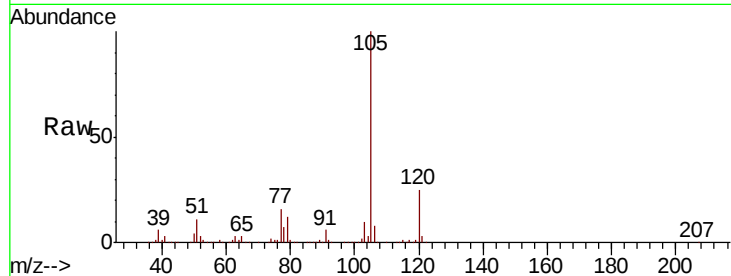
VSTDCCC050EC

Tot Ion:105 Resp: 1211407

Ion Ratio Lower Upper

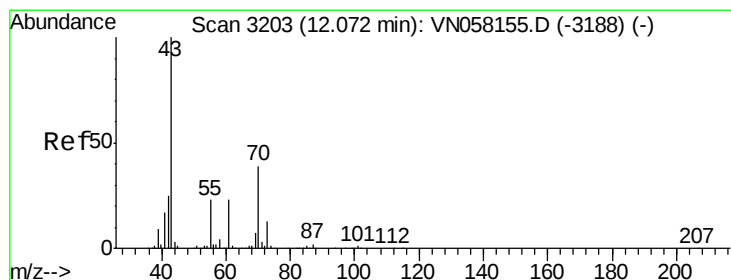
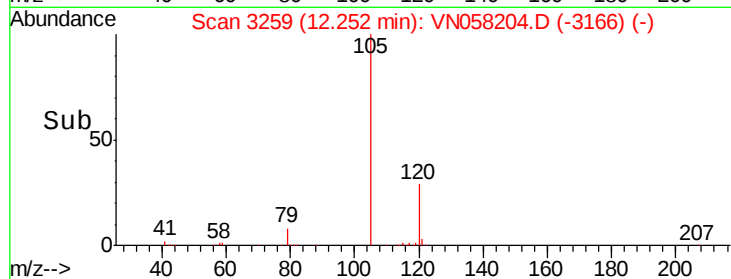
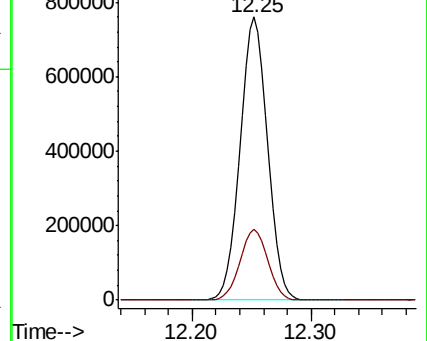
105 100

120 25.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.776 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Tgt Ion: 43 Resp: 533293

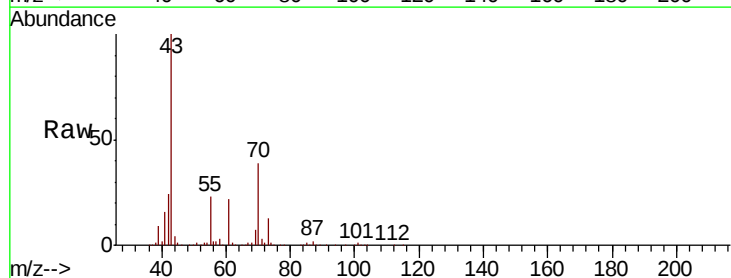
Ion Ratio Lower Upper

43 100

70 38.9 31.0 46.6

55 23.5 18.5 27.7

61 22.5 18.2 27.2

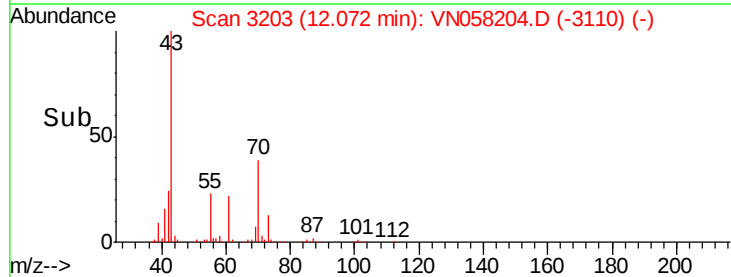
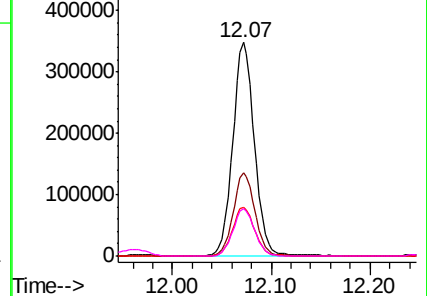


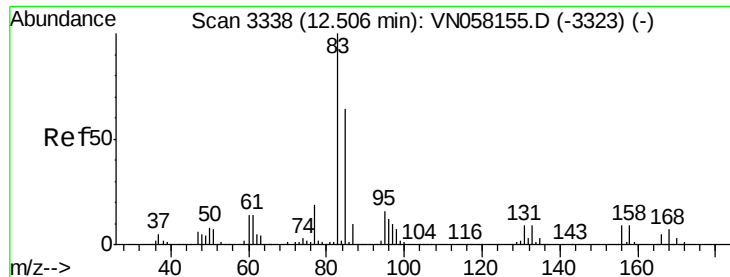
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 50.922 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

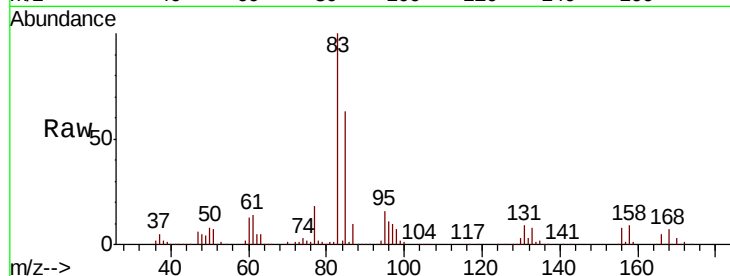
Tot Ion: 83 Resp: 404236

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 64.2 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN058204.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN058204.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN058204.D (-3245) (-)

12.51

250000

200000

150000

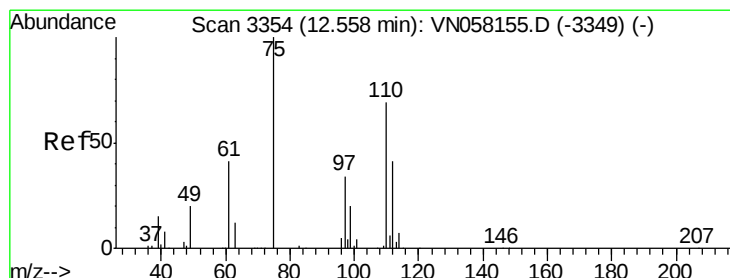
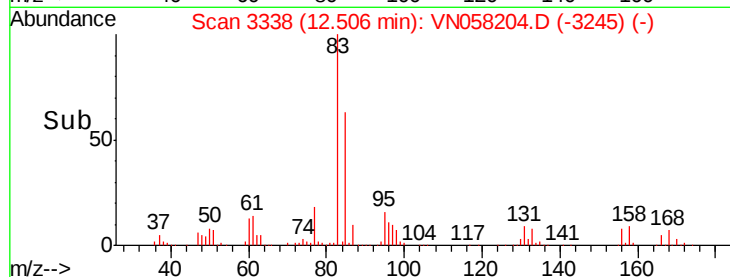
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 71.607 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058204.D

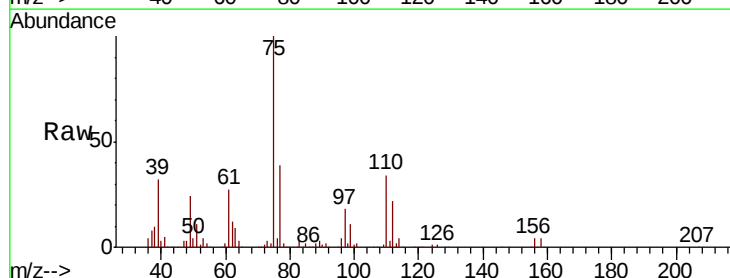
Acq: 19 Sep 2019 14:53

Tgt Ion: 75 Resp: 485348

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058204.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058204.D (-3261) (-)

300000

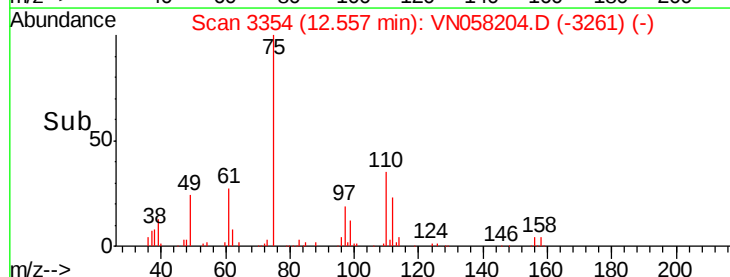
200000

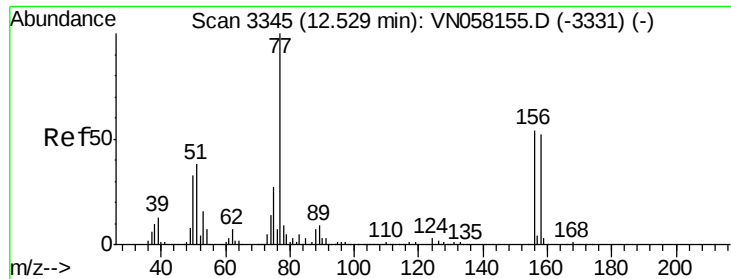
100000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 47.819 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

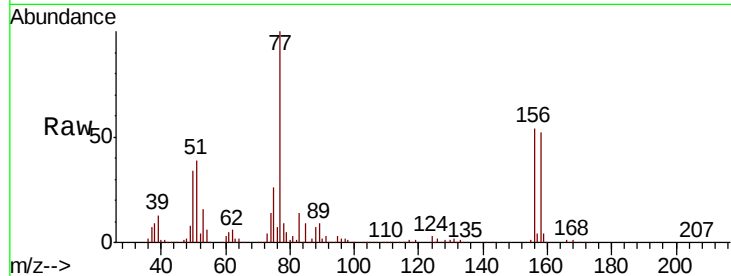
Tot Ion:156 Resp: 285144

Ion Ratio Lower Upper

156 100

77 226.3 111.7 335.1

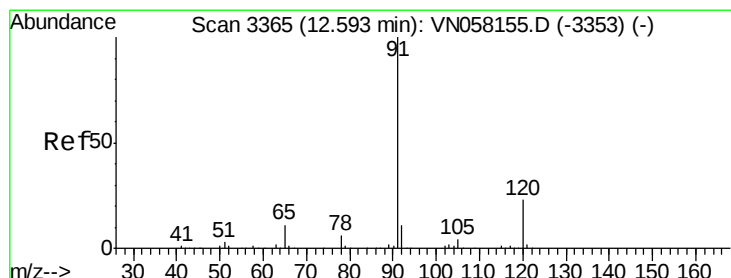
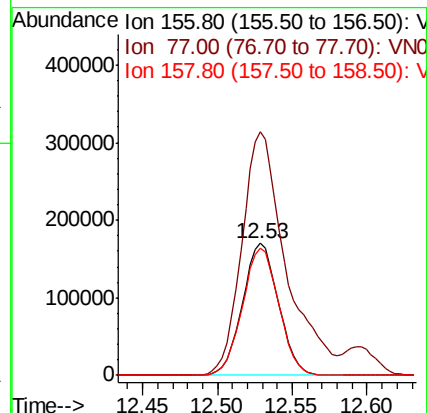
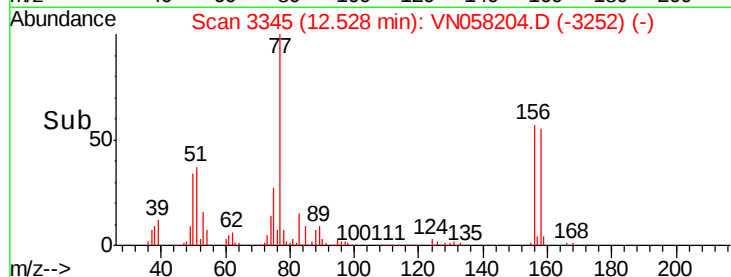
158 97.4 47.9 143.8



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: 52.613 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058204.D

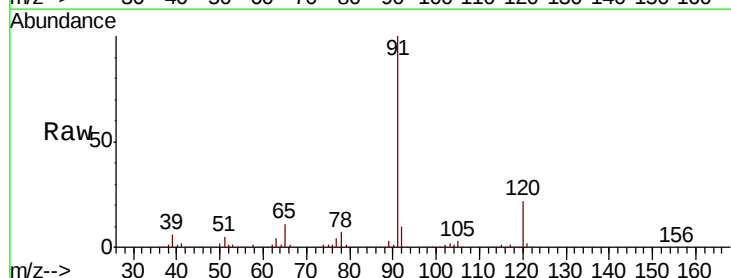
Acq: 19 Sep 2019 14:53

Tgt Ion: 91 Resp: 1417269

Ion Ratio Lower Upper

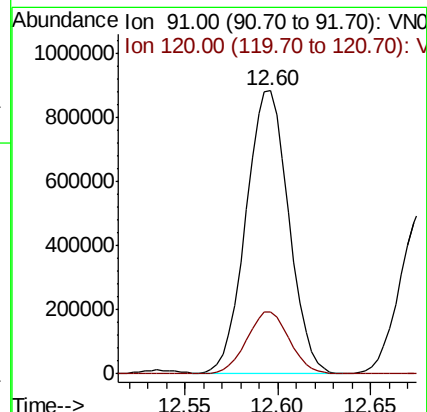
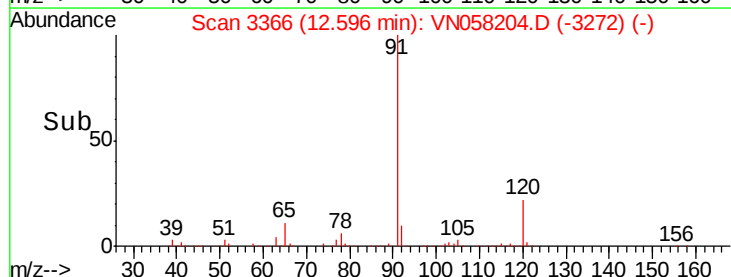
91 100

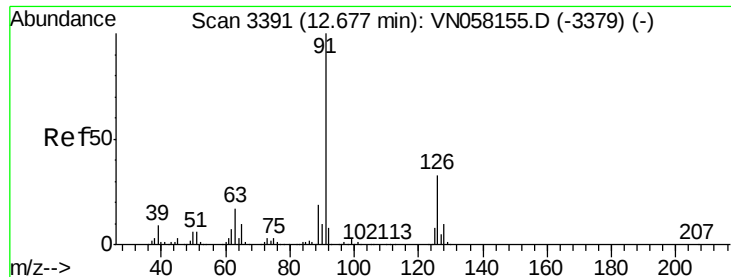
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.304 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

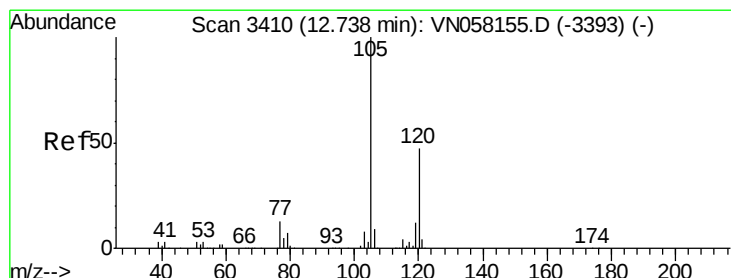
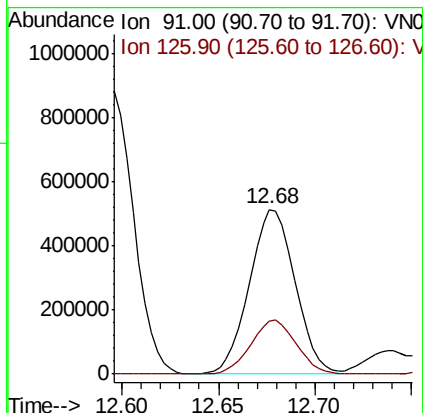
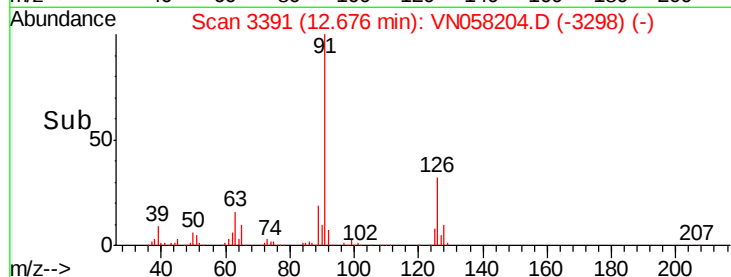
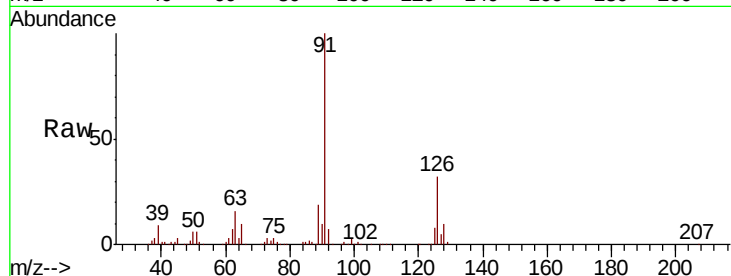
VSTDCCC050EC

Tot Ion: 91 Resp: 846882

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 51.875 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058204.D

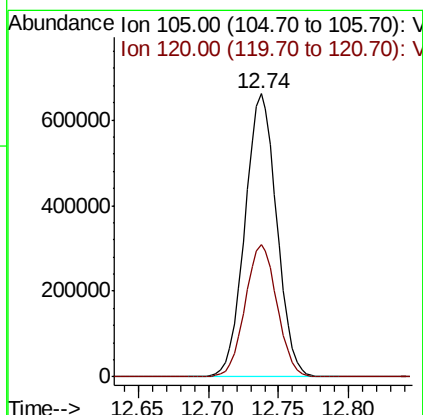
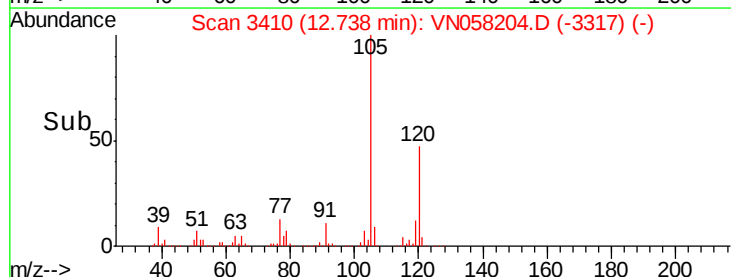
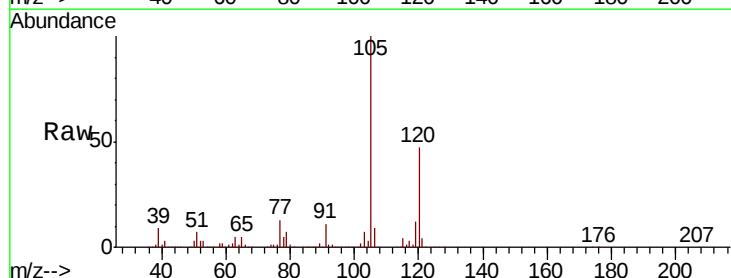
Acq: 19 Sep 2019 14:53

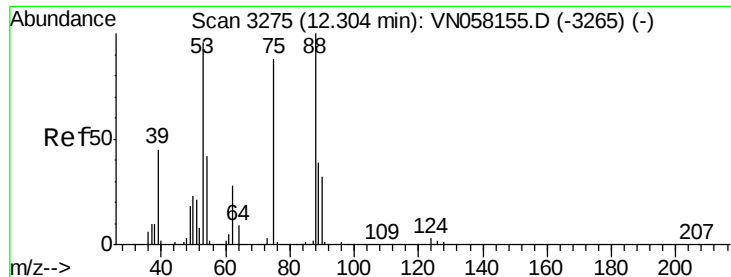
Tgt Ion: 105 Resp: 1039876

Ion Ratio Lower Upper

105 100

120 47.3 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.743 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

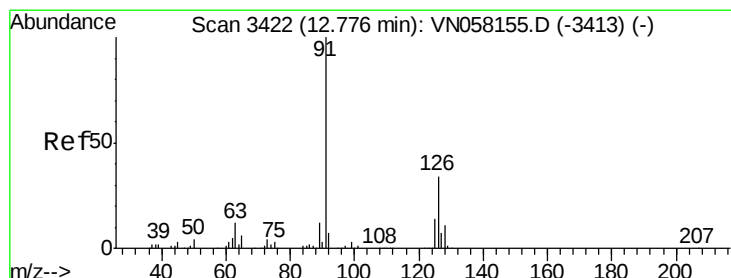
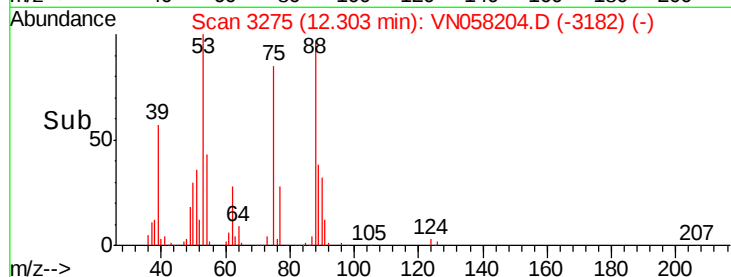
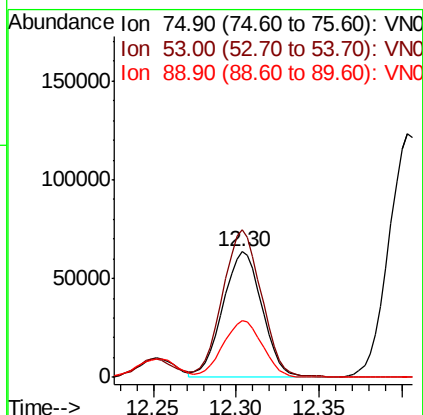
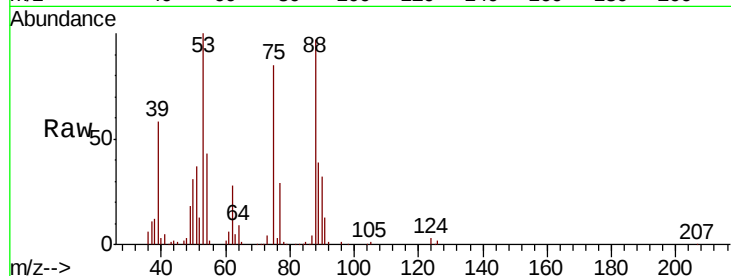
Tot Ion: 75 Resp: 105479

Ion Ratio Lower Upper

75 100

53 116.2 90.1 135.1

89 44.8 36.2 54.2



#82

4-Chlorotoluene

Concen: 51.084 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058204.D

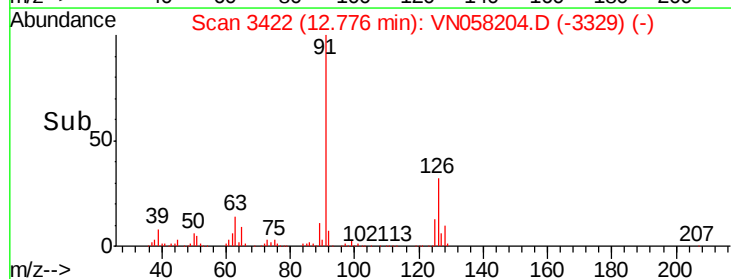
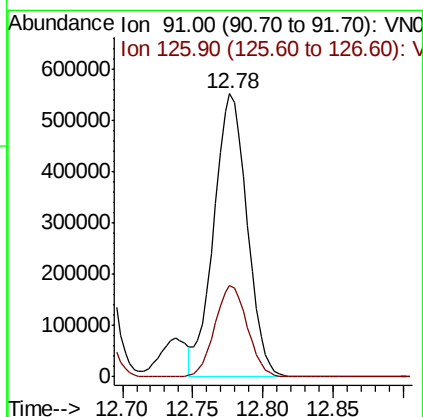
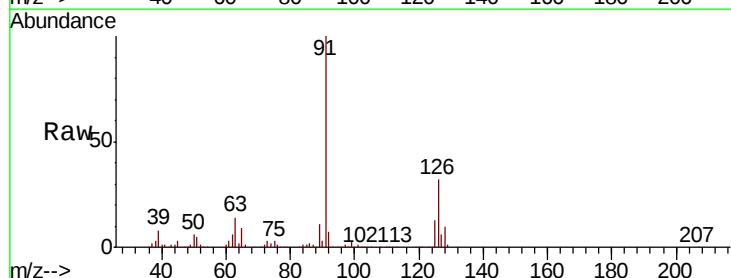
Acq: 19 Sep 2019 14:53

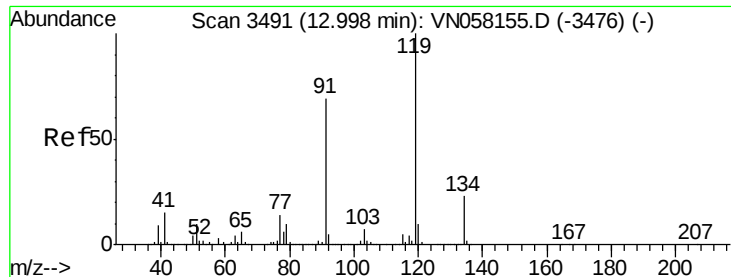
Tgt Ion: 91 Resp: 904014

Ion Ratio Lower Upper

91 100

126 31.7 15.7 47.1

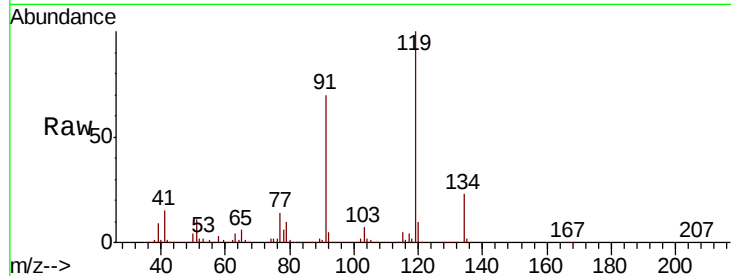




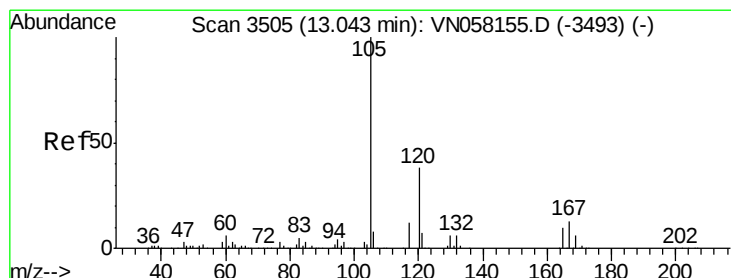
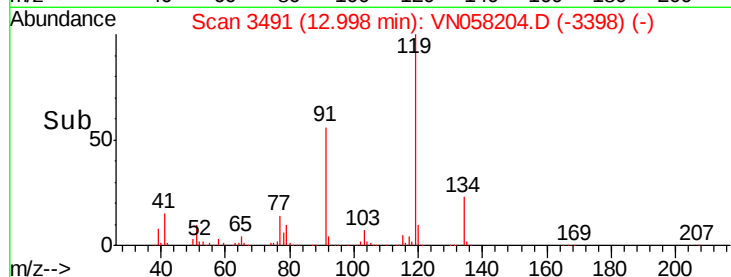
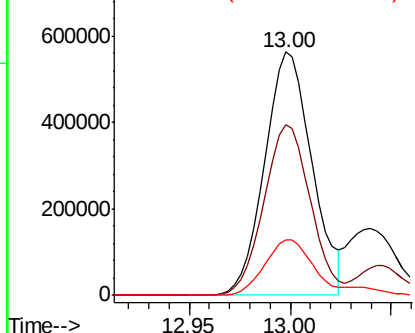
#83
 tert-Butylbenzene
 Concen: 51.420 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 919214
 Ion Ratio Lower Upper
 119 100
 91 68.8 33.8 101.3
 134 23.2 11.6 34.8

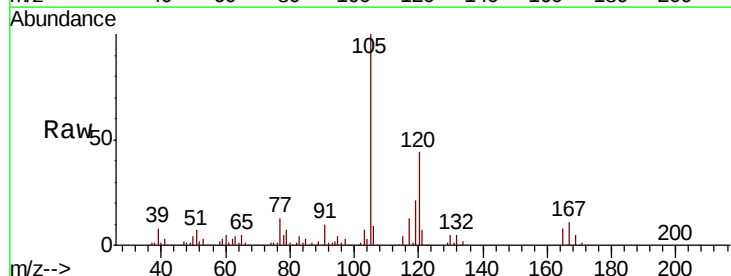


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

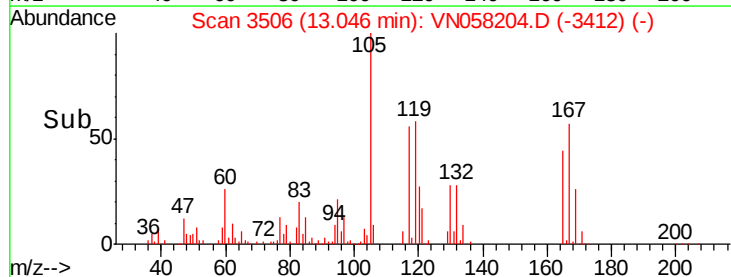
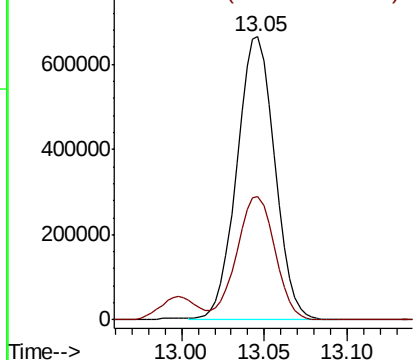


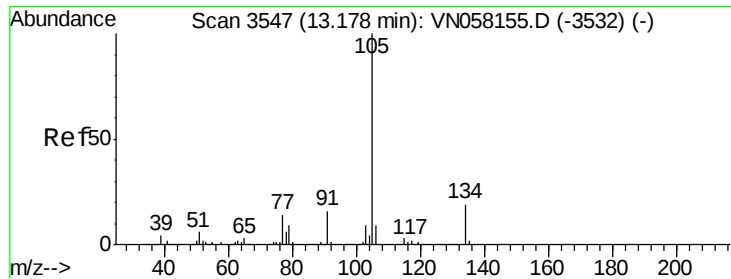
#84
 1,2,4-Trimethylbenzene
 Concen: 52.857 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion:105 Resp: 1054434
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

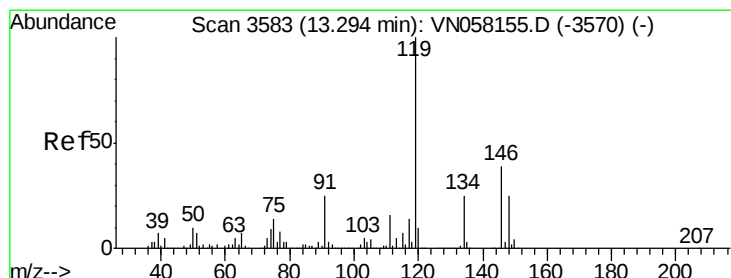
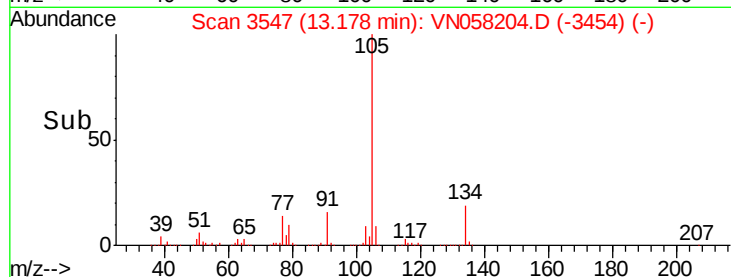
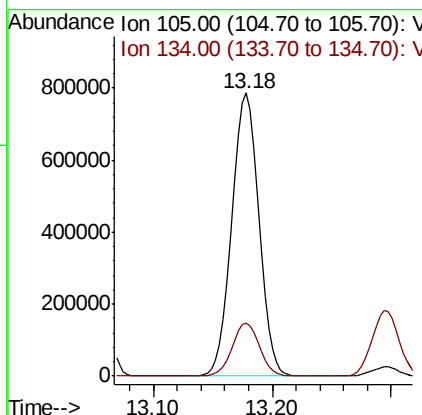
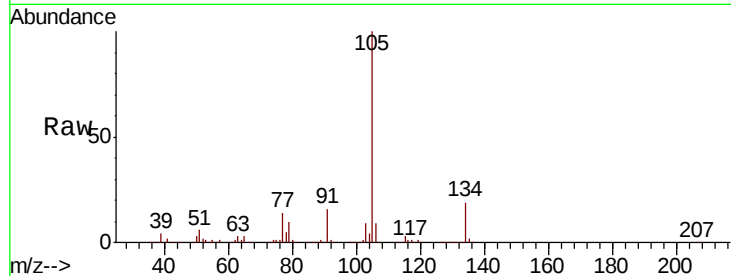




#85
 sec-Butylbenzene
 Concen: 53.116 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

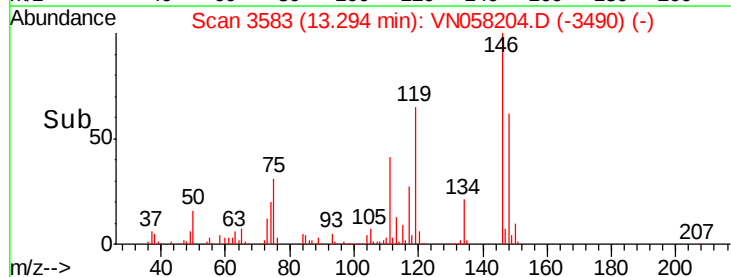
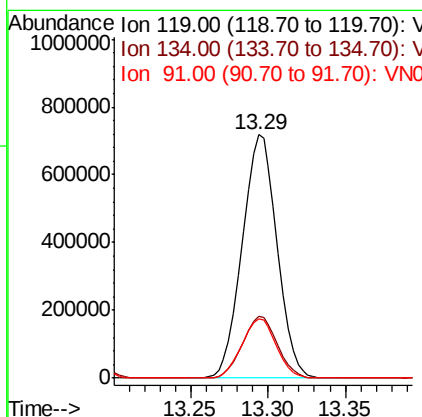
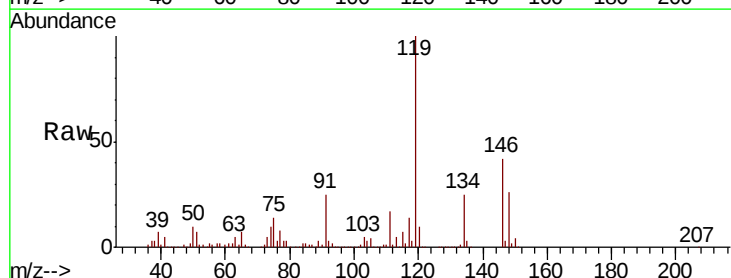
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

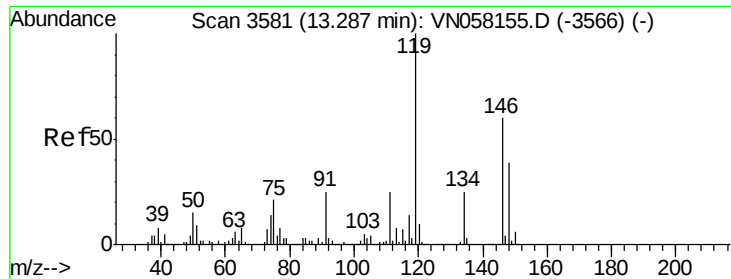
Tot Ion:105 Resp: 1241659
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 53.876 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion:119 Resp: 1119663
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.0
 91 24.3 12.3 36.8

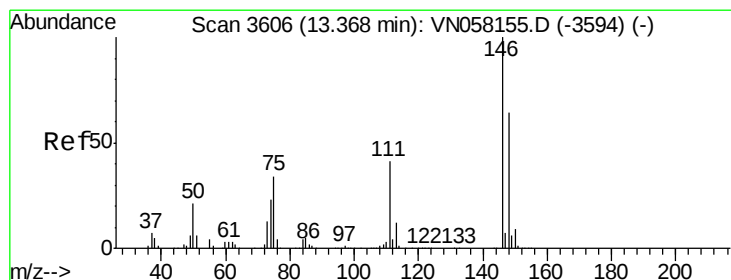
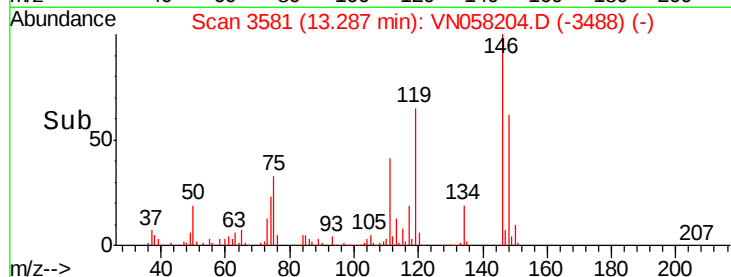
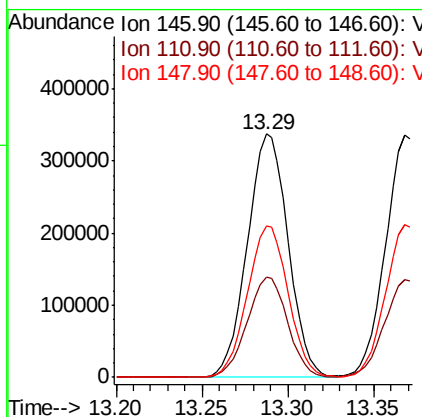
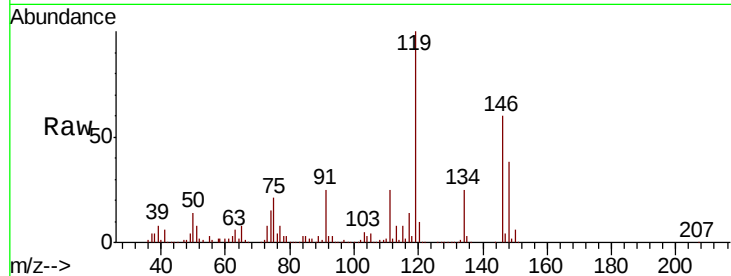




#87
 1,3-Dichlorobenzene
 Concen: 50.779 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

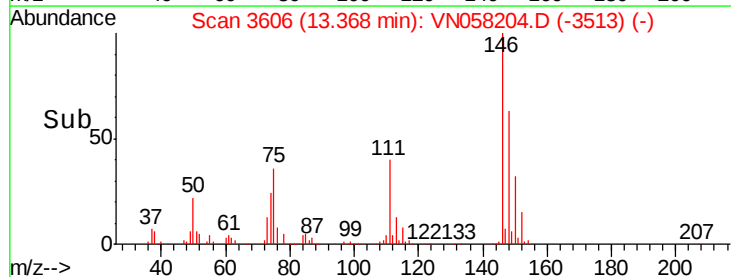
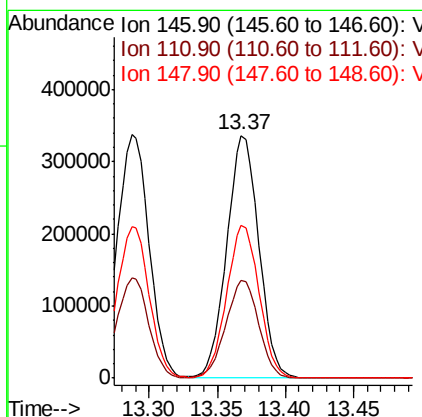
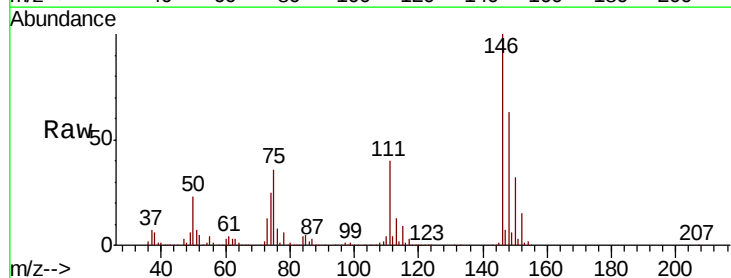
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

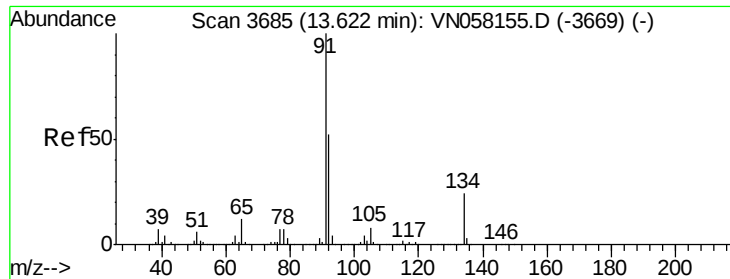
Tot Ion:146 Resp: 553049
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.9 62.8
 148 62.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.342 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion:146 Resp: 548632
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.5 61.5
 148 63.5 31.9 95.5





#89

n-Butylbenzene

Concen: 52.208 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

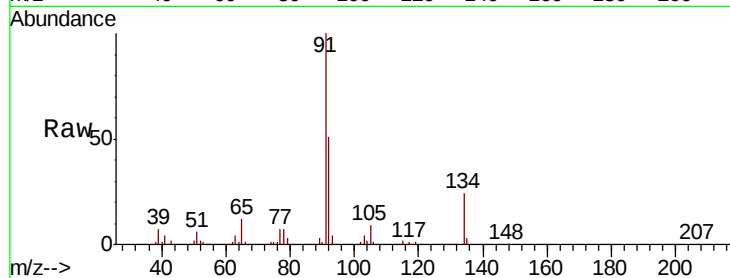
Tot Ion: 91 Resp: 1028650

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.0

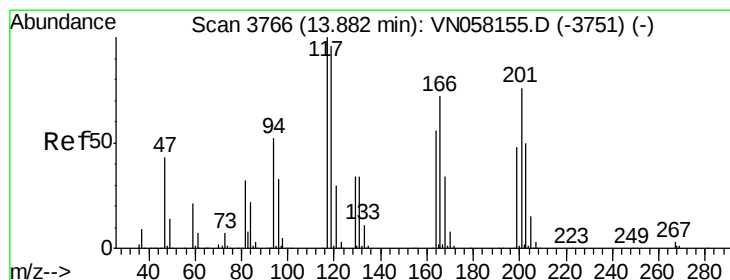
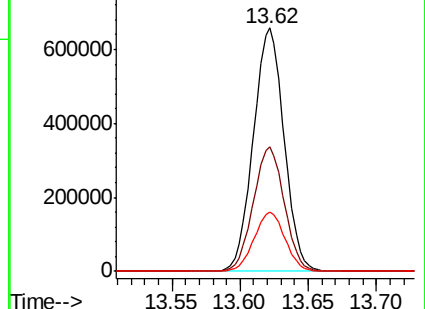
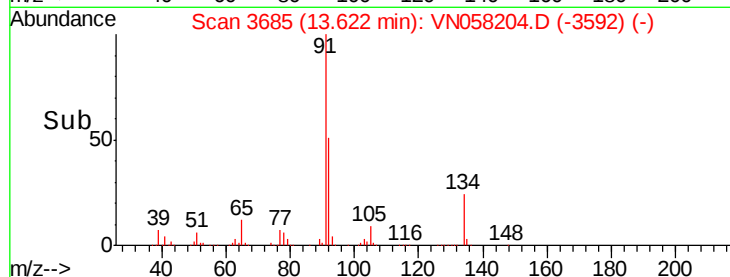
134 24.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)



#90

Hexachloroethane

Concen: 47.693 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058204.D

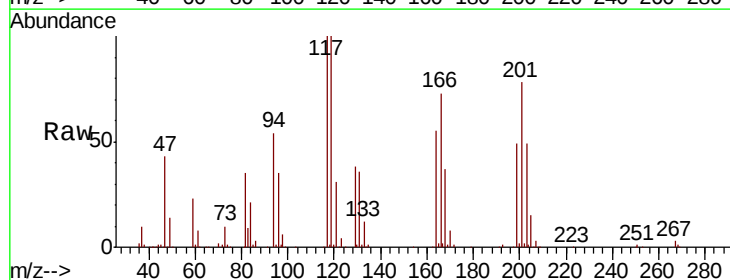
Acq: 19 Sep 2019 14:53

Tgt Ion: 117 Resp: 173302

Ion Ratio Lower Upper

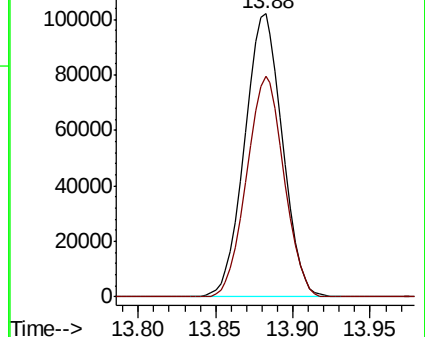
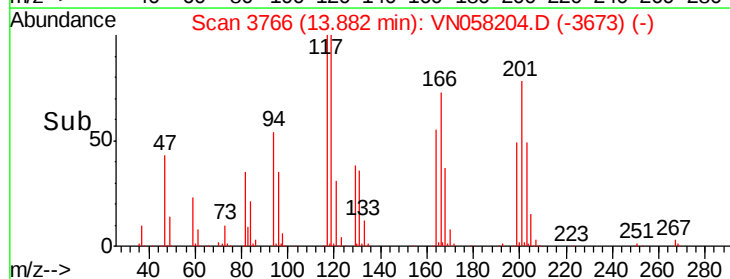
117 100

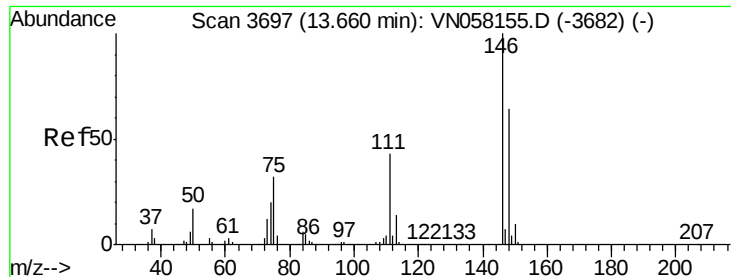
201 77.2 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 50.708 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

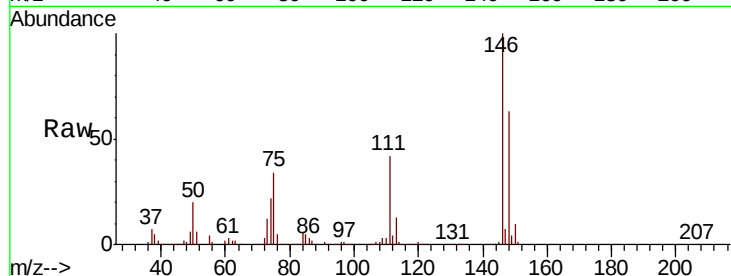
Tot Ion:146 Resp: 553992

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.1

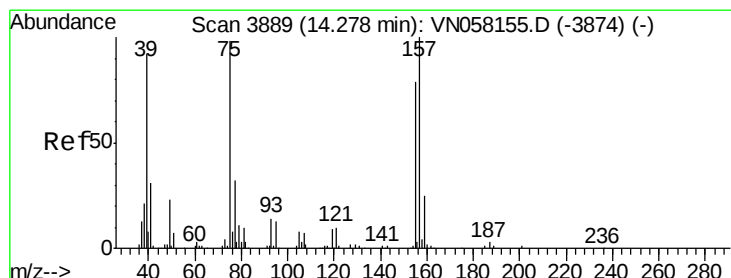
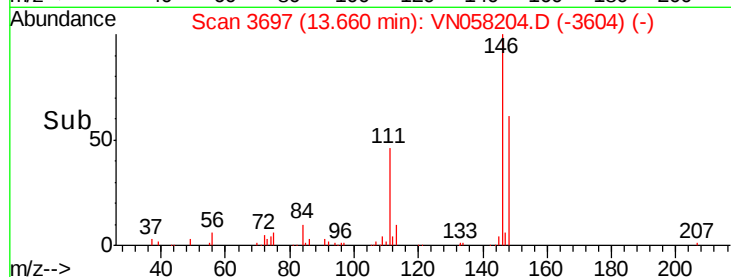
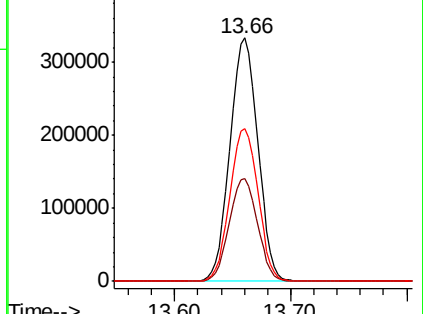
148 63.3 31.8 95.4



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: 53.082 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

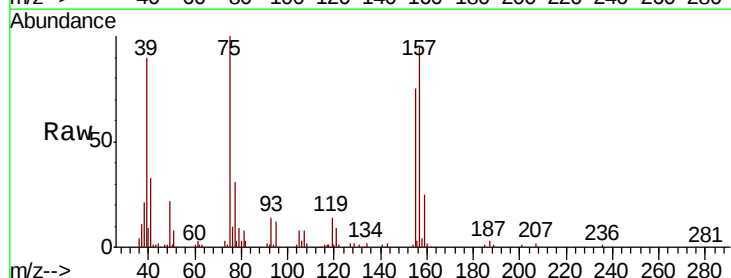
Tgt Ion: 75 Resp: 75863

Ion Ratio Lower Upper

75 100

155 75.2 38.3 114.8

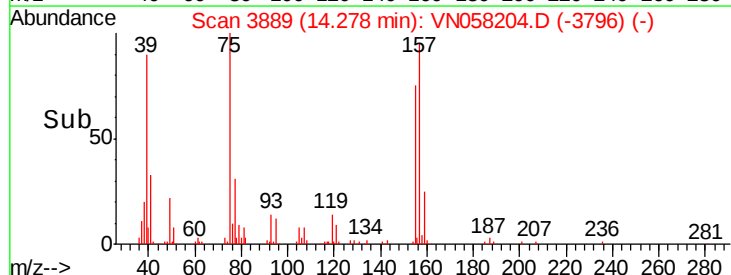
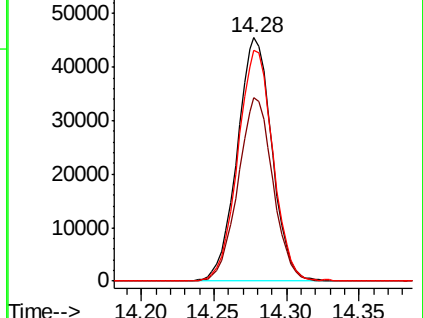
157 95.3 48.0 144.0



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

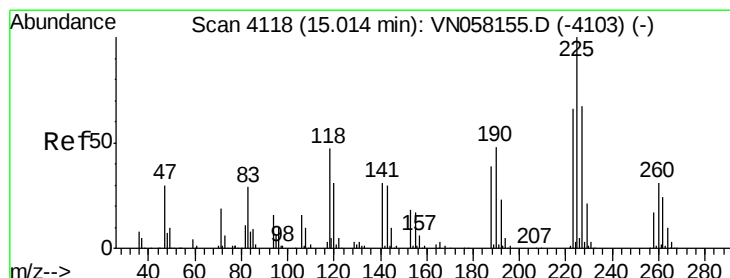
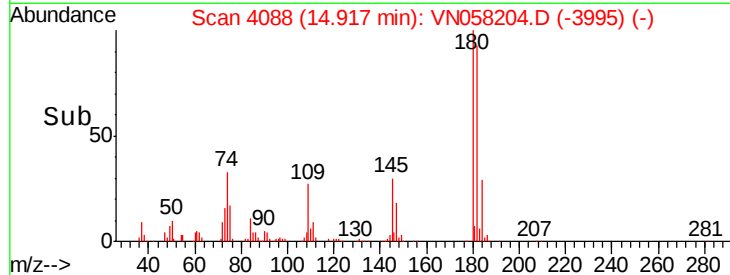
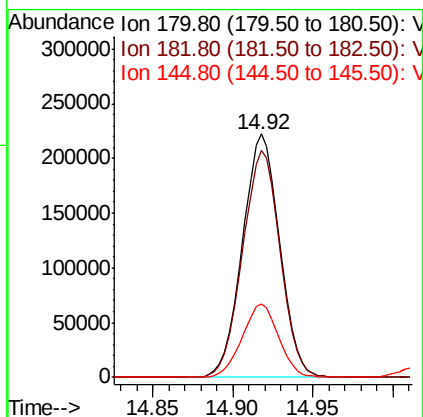
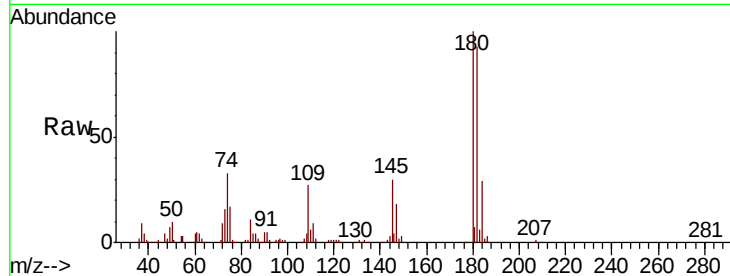




#93
 1,2,4-Trichlorobenzene
 Concen: 50.404 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

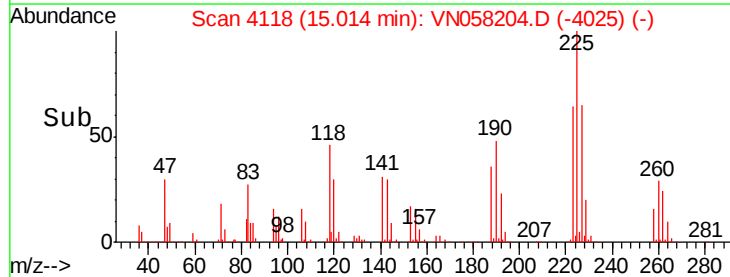
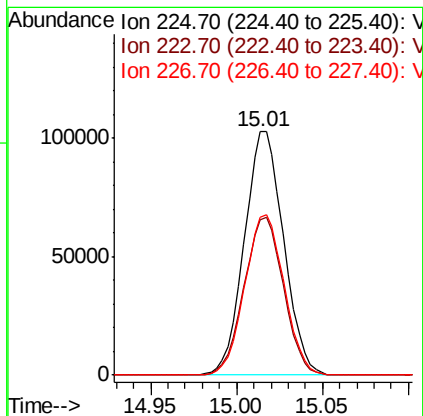
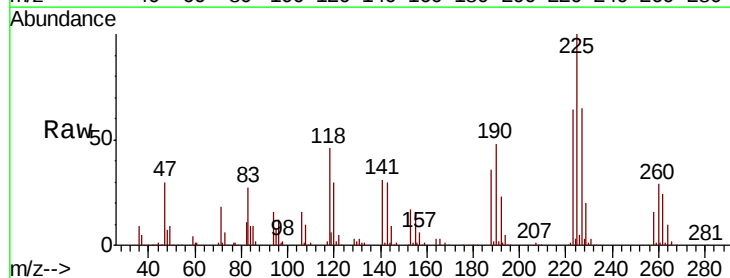
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

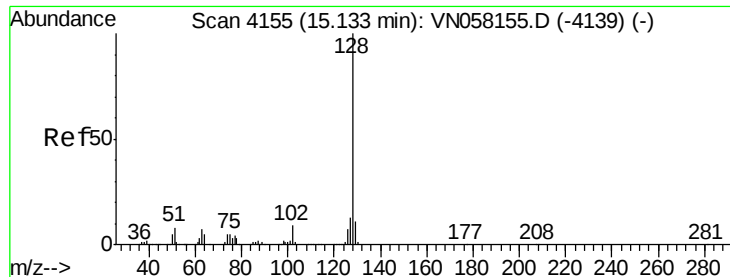
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.8	143.3
145	29.8	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 48.284 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058204.D
 Acq: 19 Sep 2019 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.0	32.6	97.7
227	65.9	33.0	99.0





#95

Naphthalene

Concen: 53.892 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

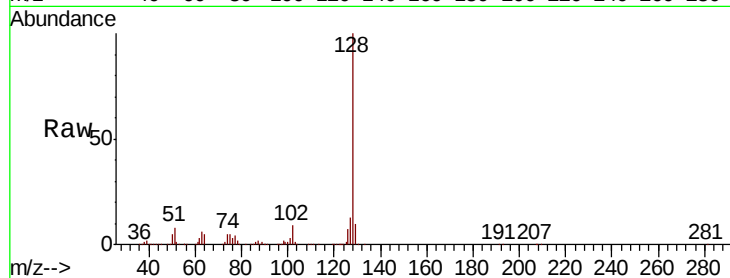
Tot Ion:128 Resp: 974900

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

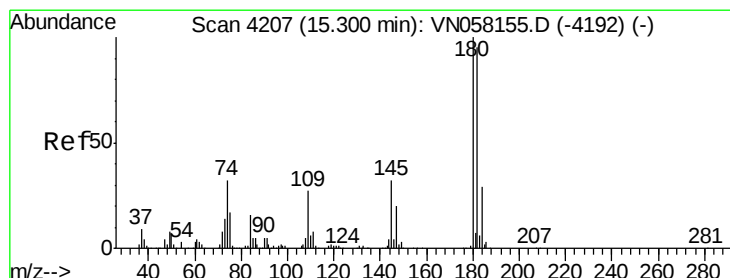
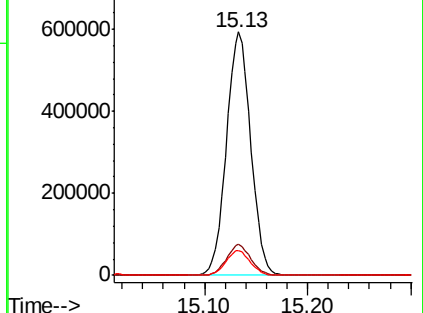
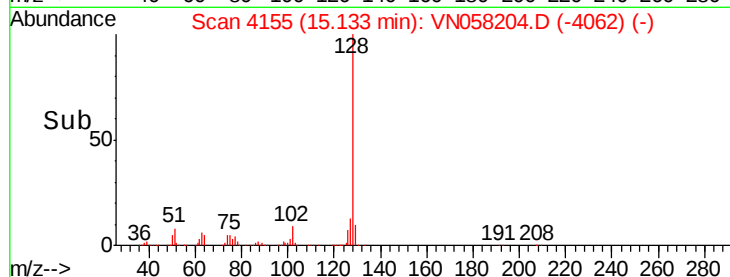
129 10.3 8.6 12.8



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: 50.905 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058204.D

Acq: 19 Sep 2019 14:53

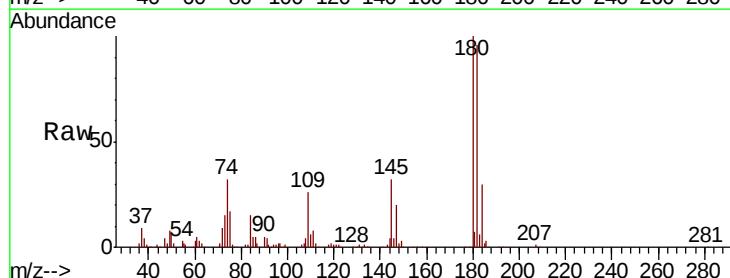
Tgt Ion:180 Resp: 335854

Ion Ratio Lower Upper

180 100

182 96.1 47.4 142.2

145 32.7 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

