

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
 Data File : VN057211.D
 Acq On : 12 Aug 2019 13:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 13 01:42:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	976215	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1402256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1284642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	527549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	516086	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
35) Dibromofluoromethane	6.98	113	470168	53.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.86%	
50) Toluene-d8	9.56	98	1802146	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	11.92	95	615765	56.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.82	85	357369	45.547	ug/l	97
3) Chloromethane	2.00	50	423801	40.652	ug/l	98
4) Vinyl Chloride	2.11	62	429085	44.280	ug/l	99
5) Bromomethane	2.42	94	311635	47.331	ug/l	97
6) Chloroethane	2.55	64	294366	47.360	ug/l	98
7) Trichlorofluoromethane	2.82	101	674623	48.434	ug/l	99
8) Diethyl Ether	3.14	74	262587	48.795	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.44	101	418698	49.587	ug/l	98
10) Methyl Iodide	3.63	142	667062	52.279	ug/l	99
11) Tert butyl alcohol	4.24	59	338999	237.280	ug/l	100
12) 1,1-Dichloroethene	3.43	96	410253	49.388	ug/l	97
13) Acrolein	3.31	56	164446	181.947	ug/l	100
14) Allyl chloride	3.91	41	593307	49.149	ug/l	97
15) Acrylonitrile	4.44	53	961972	248.788	ug/l	98
16) Acetone	3.47	43	821905	271.078	ug/l	99
17) Carbon Disulfide	3.72	76	1032215	46.710	ug/l	100
18) Methyl Acetate	3.89	43	458598	50.776	ug/l	100
19) Methyl tert-butyl Ether	4.49	73	1282012	51.122	ug/l	99
20) Methylene Chloride	4.10	84	477570	47.726	ug/l	99
21) trans-1,2-Dichloroethene	4.50	96	442813	48.937	ug/l	97
22) Diisopropyl ether	5.31	45	1302635	49.471	ug/l	98
23) Vinyl Acetate	5.26	43	5147743	255.302	ug/l	99
24) 1,1-Dichloroethane	5.25	63	788245	48.697	ug/l	99
25) 2-Butanone	6.20	43	1198058	258.625	ug/l	99
26) 2,2-Dichloropropane	6.21	77	656030	55.708	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	521643	50.321	ug/l	99
28) Bromochloromethane	6.58	49	395770	53.157	ug/l	97
29) Tetrahydrofuran	6.60	42	769095	246.458	ug/l	99
30) Chloroform	6.76	83	824628	49.222	ug/l	97
31) Cyclohexane	7.06	56	654340	44.933	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	718674	51.137	ug/l	99
36) 1,1-Dichloropropene	7.20	75	605515	52.446	ug/l	99
37) Ethyl Acetate	6.28	43	489868	51.471	ug/l #	100
38) Carbon Tetrachloride	7.18	117	637818	53.008	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	711257	50.658	ug/l	98
40) Benzene	7.46	78	1871750	51.211	ug/l	99
41) Methacrylonitrile	6.54	41	262222	54.240	ug/l	99
42) 1,2-Dichloroethane	7.54	62	601675	51.616	ug/l	99
43) Isopropyl Acetate	7.56	43	863925	53.192	ug/l	98
44) Trichloroethene	8.27	130	528059	51.569	ug/l	98
45) 1,2-Dichloropropane	8.56	63	485561	51.308	ug/l	100
46) Dibromomethane	8.65	93	317667	52.351	ug/l	97
47) Bromodichloromethane	8.85	83	644731	54.912	ug/l	97
48) Methyl methacrylate	8.63	41	387115	50.546	ug/l	98
49) 1,4-Dioxane	8.64	88	171387	1098.754	ug/l	99
51) 4-Methyl-2-Pentanone	9.45	43	2437409	257.856	ug/l	100
52) Toluene	9.63	92	1191093	52.501	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	700036	57.072	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	775977	55.133	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	465091	52.131	ug/l	99
56) Ethyl methacrylate	9.90	69	666813	53.381	ug/l	99
57) 1,3-Dichloropropane	10.19	76	762005	51.793	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	973236	198.257	ug/l	98
59) 2-Hexanone	10.24	43	1744898	272.750	ug/l	100
60) Dibromochloromethane	10.39	129	532719	56.855	ug/l	99
61) 1,2-Dibromoethane	10.50	107	494673	53.733	ug/l	100
64) Tetrachloroethene	10.11	164	547007	51.200	ug/l	96
65) Chlorobenzene	10.93	112	1321689	51.133	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.01	131	511873	52.970	ug/l	99
67) Ethyl Benzene	11.01	91	2307989	51.880	ug/l	99
68) m/p-Xylenes	11.13	106	1746336	106.554	ug/l	99
69) o-Xylene	11.46	106	858902	52.657	ug/l	98
70) Styrene	11.47	104	1403366	55.083	ug/l	99
71) Bromoform	11.64	173	398363	56.276	ug/l #	99
73) Isopropylbenzene	11.77	105	2293080	53.555	ug/l	100
74) N-amyl acetate	11.59	43	660222	49.386	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.02	83	624769	54.704	ug/l	100
76) 1,2,3-Trichloropropane	12.08	75	771155	76.467	ug/l #	100
77) Bromobenzene	12.05	156	611988	48.263	ug/l	99
78) n-propylbenzene	12.11	91	2439337	48.198	ug/l	99
79) 2-Chlorotoluene	12.20	91	1485623	52.792	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	1945303	47.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	197514	55.050	ug/l	97
82) 4-Chlorotoluene	12.30	91	1433300	48.911	ug/l	100
83) tert-Butylbenzene	12.52	119	1727852	53.983	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	1859302	47.230	ug/l	100
85) sec-Butylbenzene	12.70	105	2139434	46.547	ug/l	98
86) p-Isopropyltoluene	12.82	119	1929221	47.835	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	949542	52.599	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	875556	51.189	ug/l	99
89) n-Butylbenzene	13.15	91	1432118	51.397	ug/l	100
90) Hexachloroethane	13.41	117	349302	54.572	ug/l	100
91) 1,2-Dichlorobenzene	13.19	146	896180	49.713	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.81	75	81267	43.822	ug/l	97

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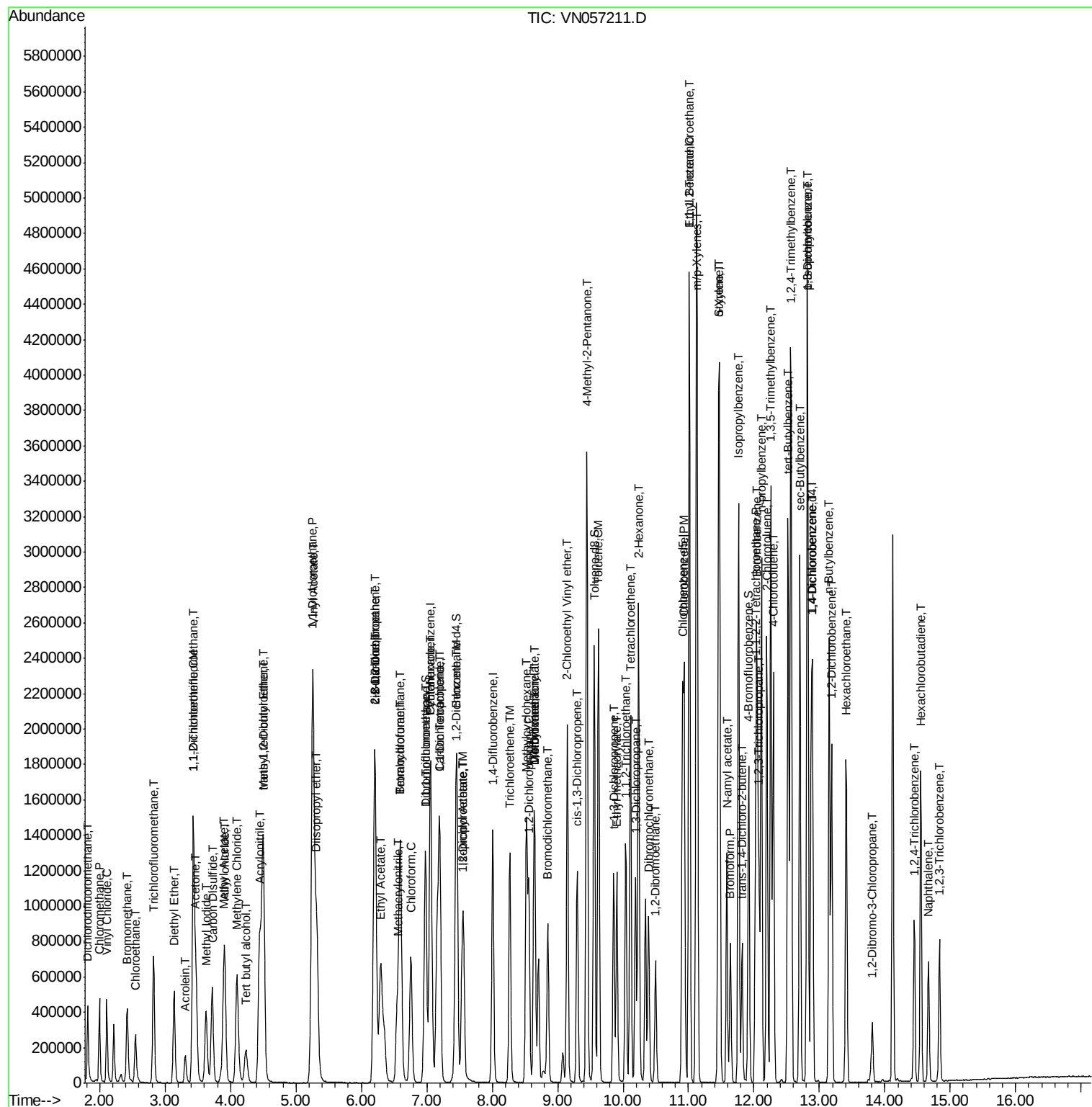
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	332941	44.312	ug/l	98
94) Hexachlorobutadiene	14.55	225	384313	61.990	ug/l	99
95) Naphthalene	14.67	128	595483	40.732	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	290074	38.207	ug/l	98

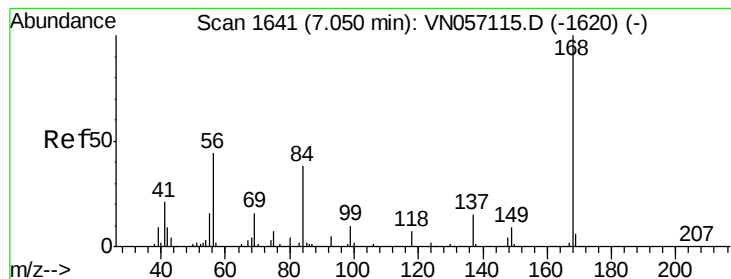
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

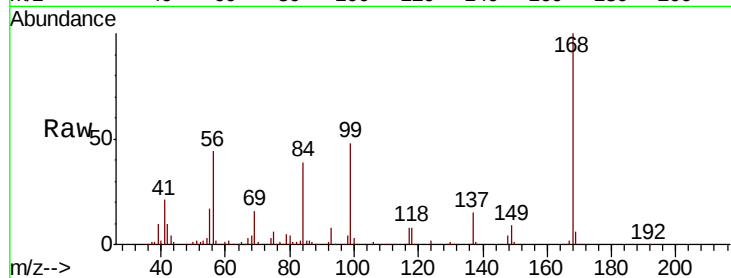
VSTDCCC050

Tgt Ion:168 Resp: 976215

Ion Ratio Lower Upper

168 100

99 48.0 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057211.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057211.D (-1620) (-)

7.05

400000

300000

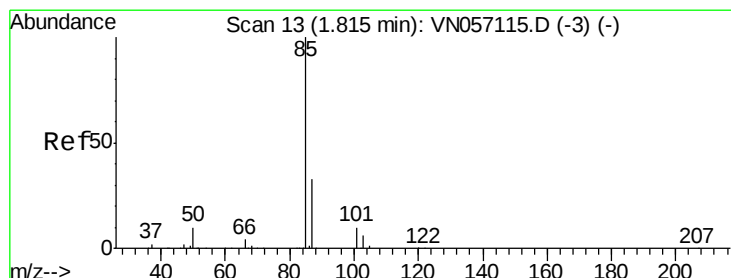
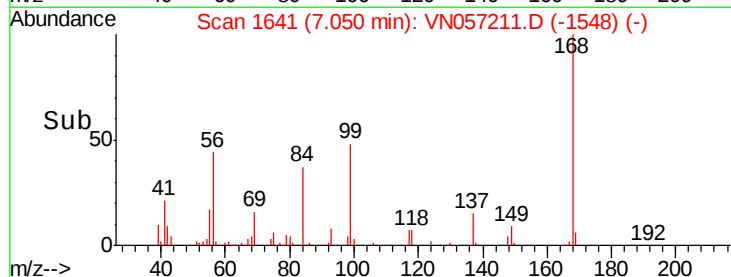
200000

100000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 45.547 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057211.D

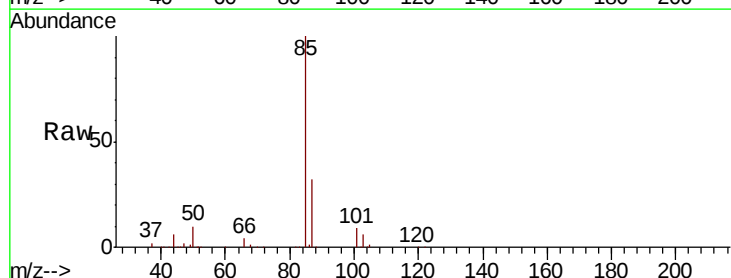
Acq: 12 Aug 2019 13:03

Tgt Ion: 85 Resp: 357369

Ion Ratio Lower Upper

85 100

87 31.5 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN057211.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VN057211.D (-3) (-)

1.82

250000

200000

150000

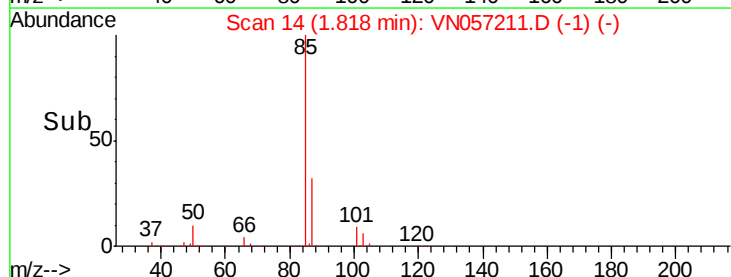
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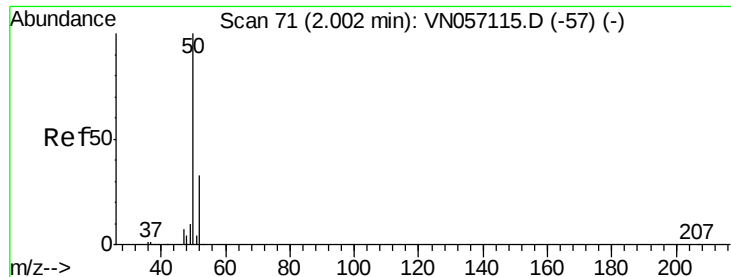
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 40.652 ug/l

RT: 2.00 min Scan# 69

Delta R.T. -0.01 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

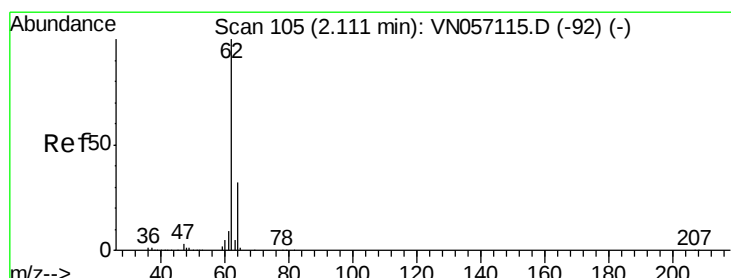
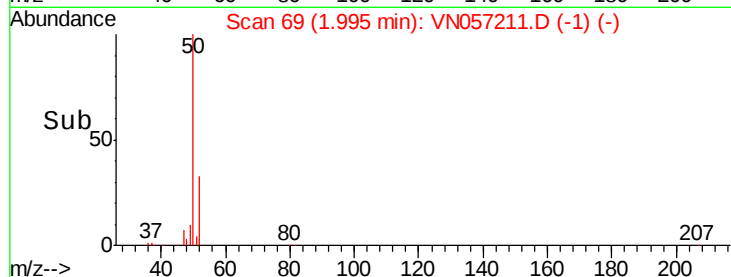
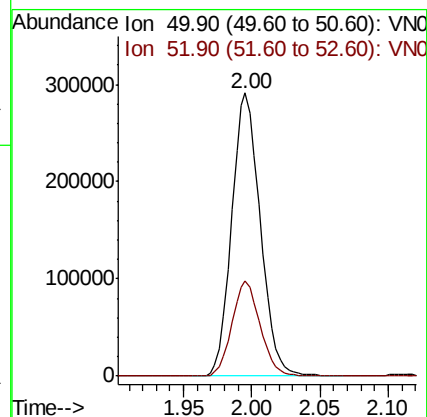
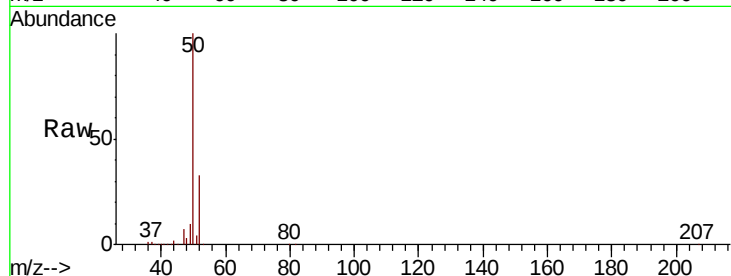
VSTDCCC050

Tgt Ion: 50 Resp: 423801

Ion Ratio Lower Upper

50 100

52 33.5 26.1 39.1



#4

Vinyl Chloride

Concen: 44.280 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057211.D

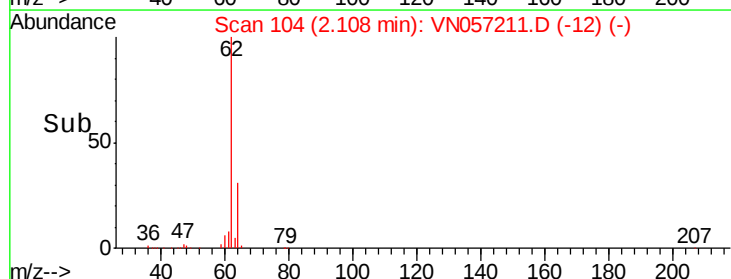
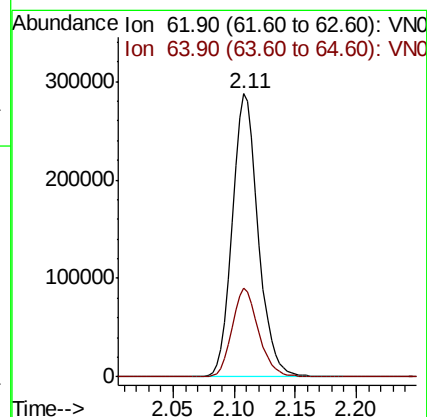
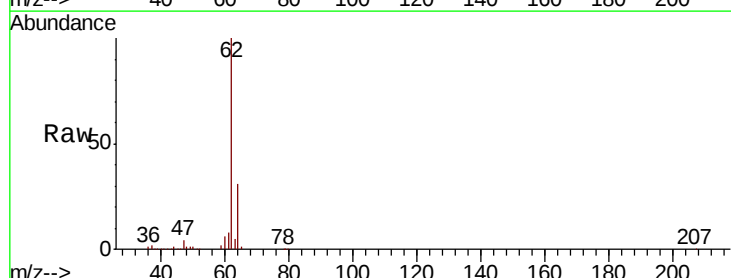
Acq: 12 Aug 2019 13:03

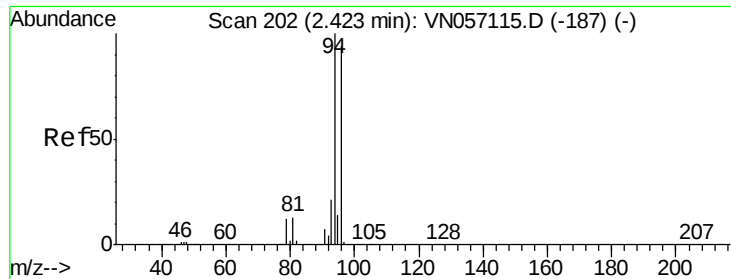
Tgt Ion: 62 Resp: 429085

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 47.331 ug/l

RT: 2.42 min Scan# 201

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

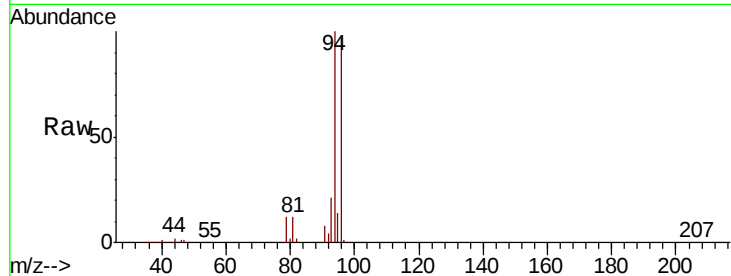
VSTDCCC050

Tgt Ion: 94 Resp: 311635

Ion Ratio Lower Upper

94 100

96 96.8 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

150000

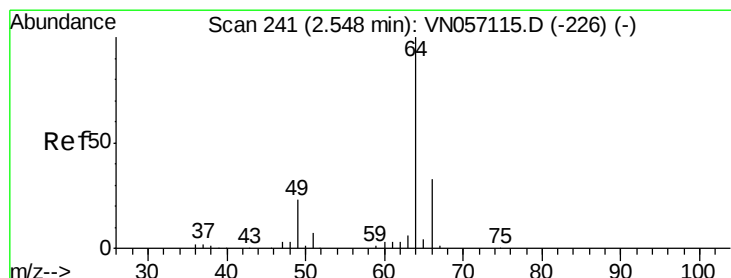
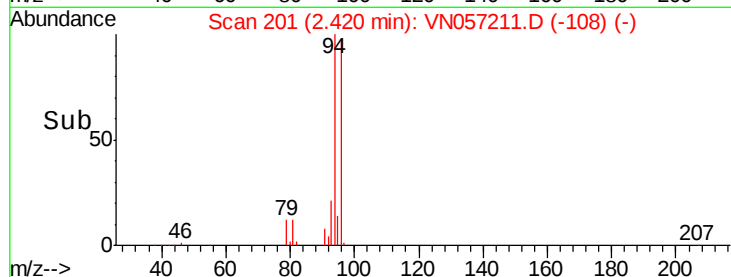
2.42

100000

50000

0

Time--> 2.30 2.40 2.50



#6

Chloroethane

Concen: 47.360 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057211.D

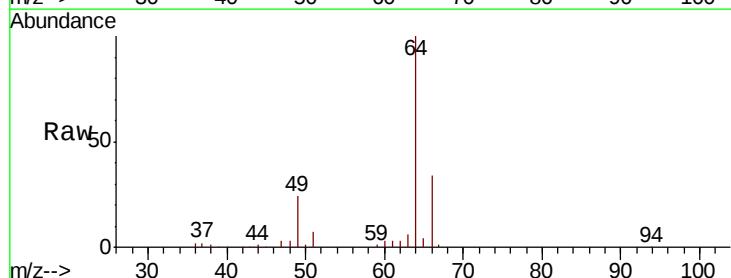
Acq: 12 Aug 2019 13:03

Tgt Ion: 64 Resp: 294366

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

150000

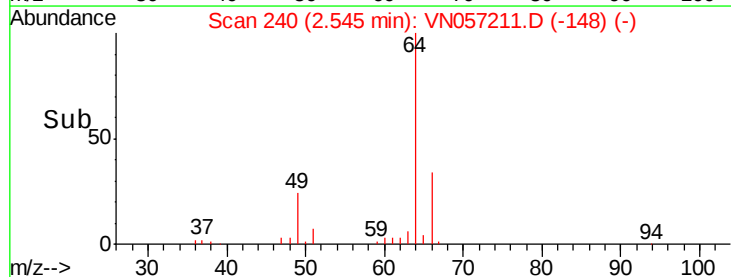
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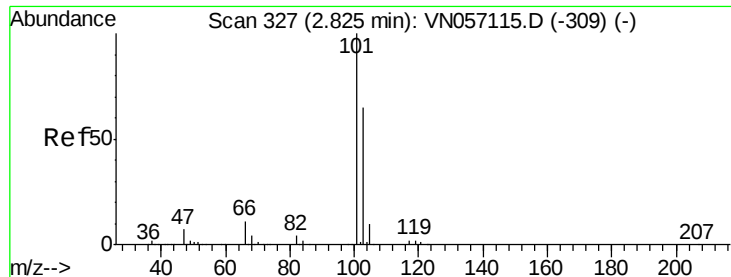
100000

50000

0

Time--> 2.50 2.60



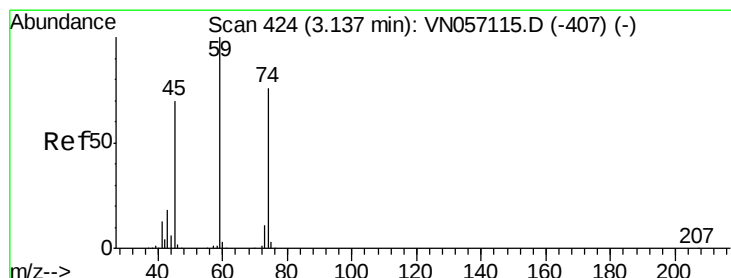
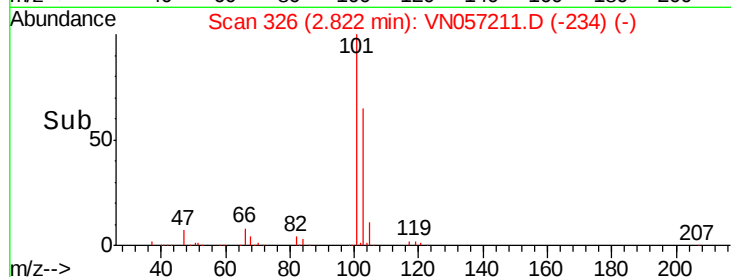
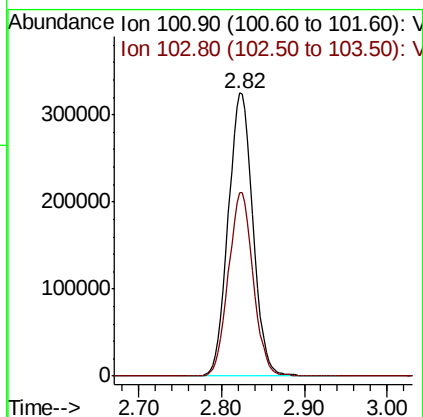
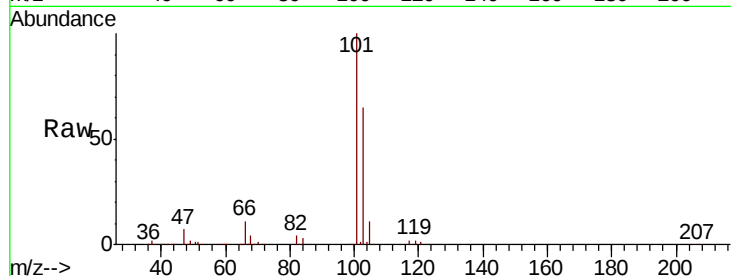


#7

Trichlorofluoromethane
 Concen: 48.434 ug/l
 RT: 2.82 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

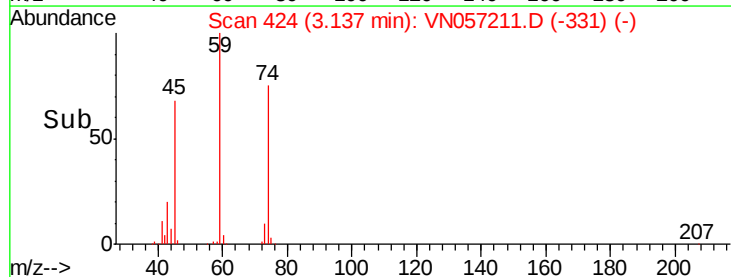
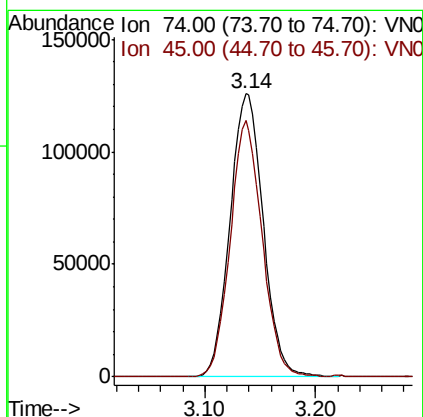
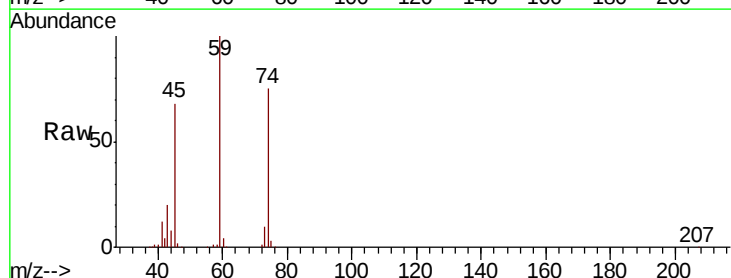
Tgt Ion:101 Resp: 674623
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.2 78.4

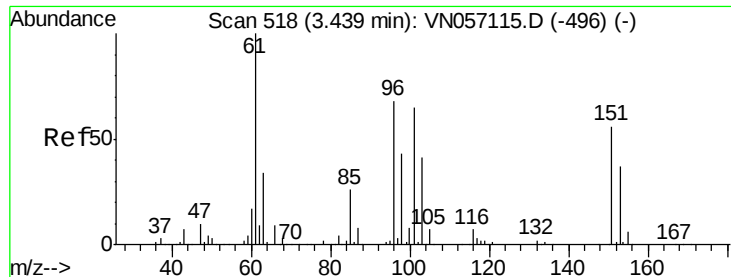


#8

Diethyl Ether
 Concen: 48.795 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 74 Resp: 262587
 Ion Ratio Lower Upper
 74 100
 45 86.4 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.587 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

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VSTDCCC050

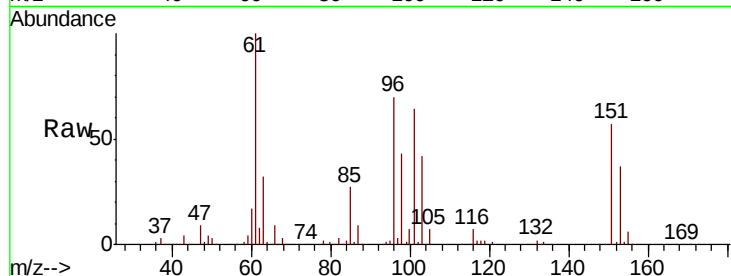
Tgt Ion:101 Resp: 418698

Ion Ratio Lower Upper

101 100

85 41.2 32.3 48.5

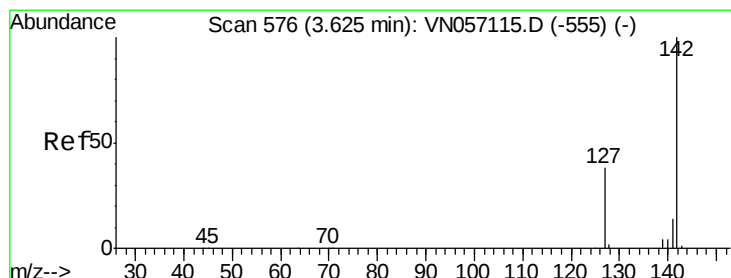
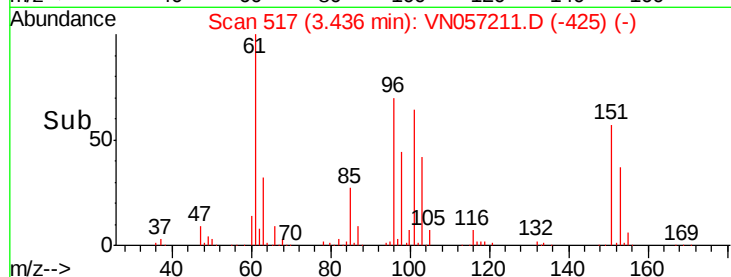
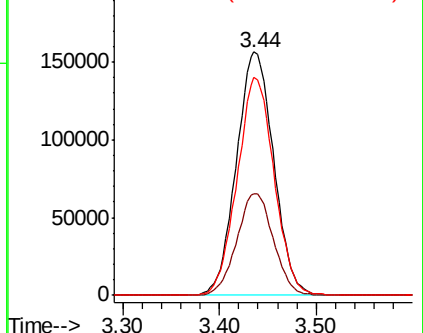
151 88.8 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.279 ug/l

RT: 3.63 min Scan# 576

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

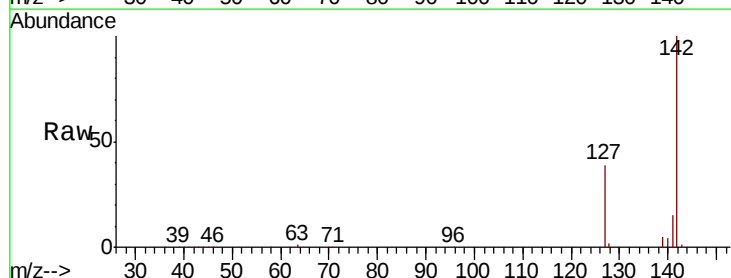
Tgt Ion:142 Resp: 667062

Ion Ratio Lower Upper

142 100

127 39.6 31.0 46.6

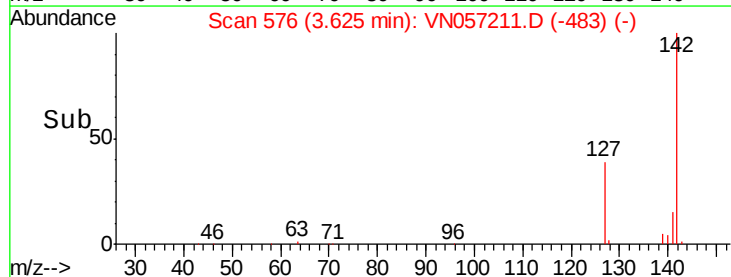
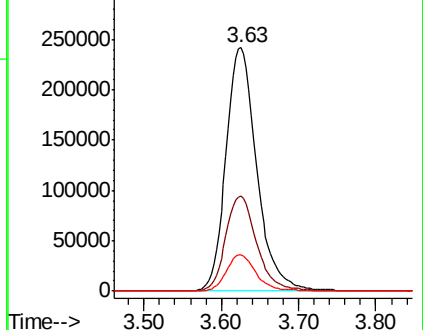
141 14.4 11.2 16.8

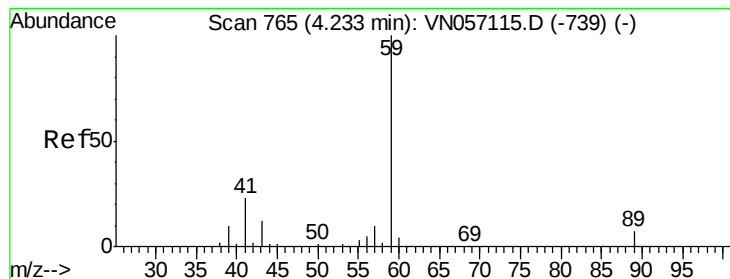


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



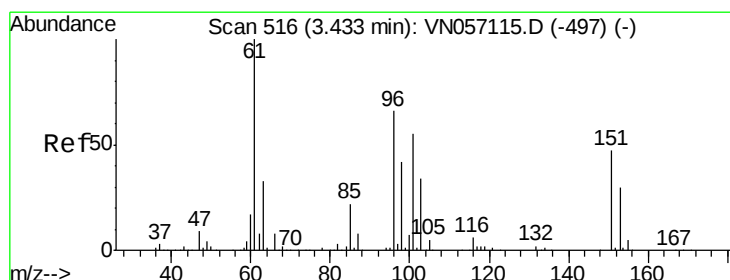
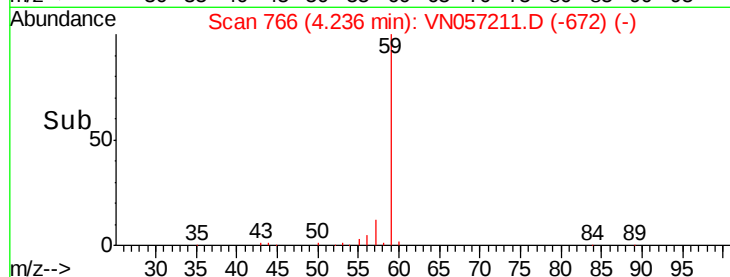
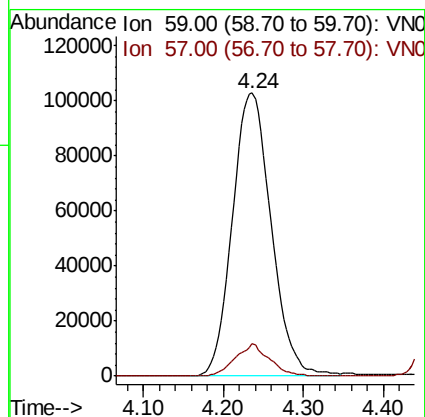
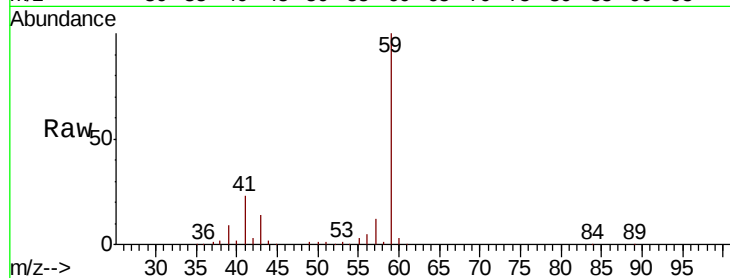


#11

Tert butyl alcohol
 Concen: 237.280 ug/l
 RT: 4.24 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

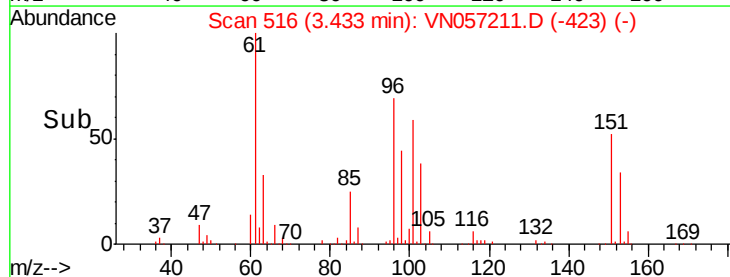
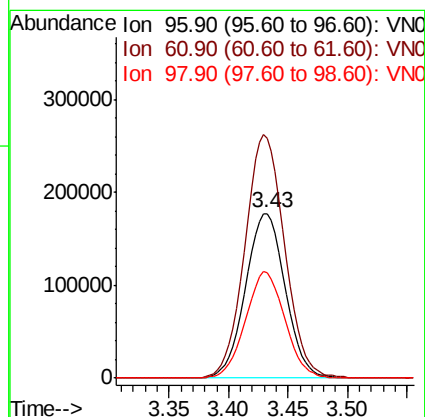
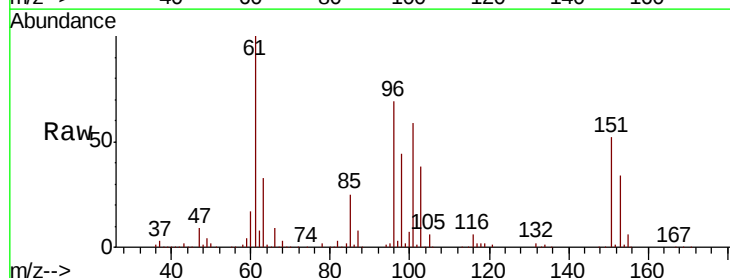
Tgt Ion: 59 Resp: 338999
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.9 11.9

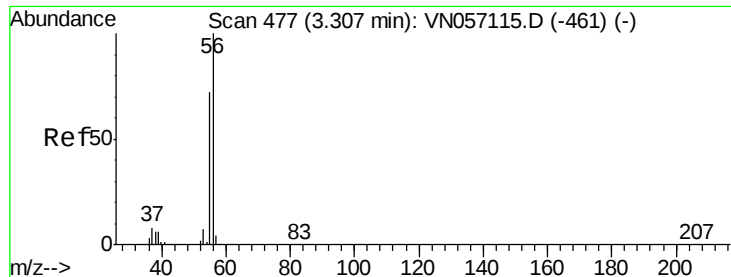


#12

1,1-Dichloroethene
 Concen: 49.388 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 96 Resp: 410253
 Ion Ratio Lower Upper
 96 100
 61 145.8 121.0 181.6
 98 63.7 50.8 76.2





#13

Acrolein

Concen: 181.947 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

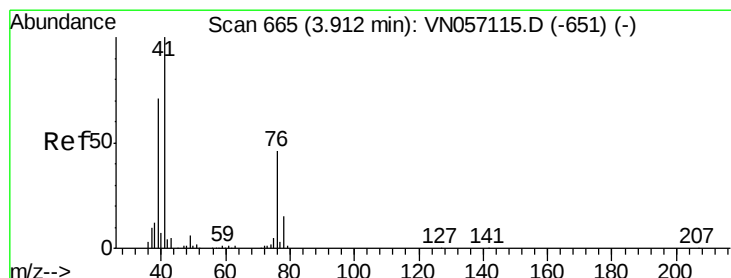
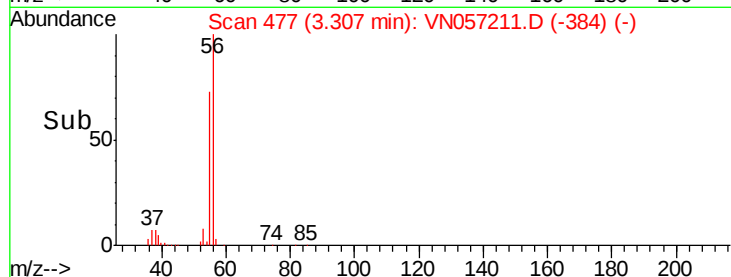
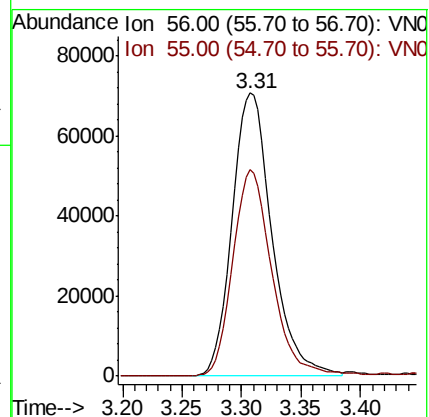
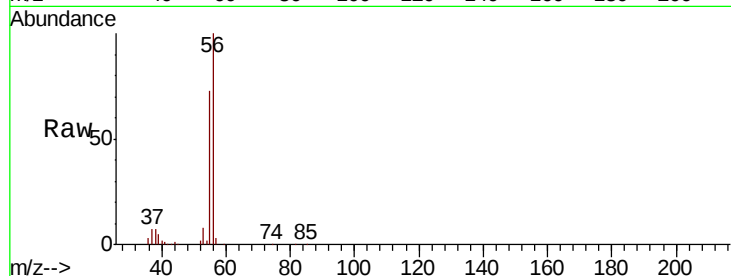
VSTDCCC050

Tgt Ion: 56 Resp: 164446

Ion Ratio Lower Upper

56 100

55 71.7 57.7 86.5



#14

Allyl chloride

Concen: 49.149 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

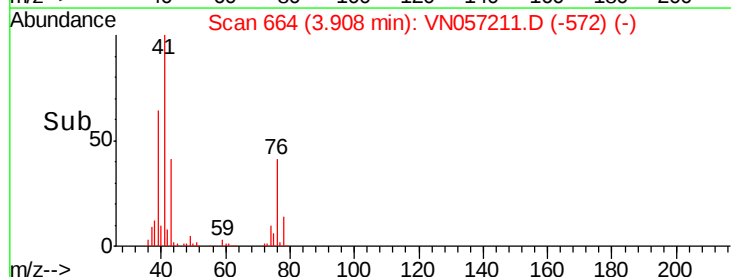
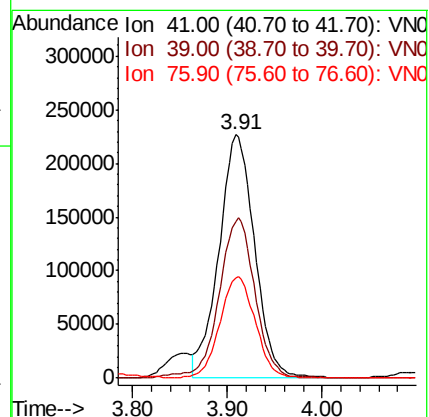
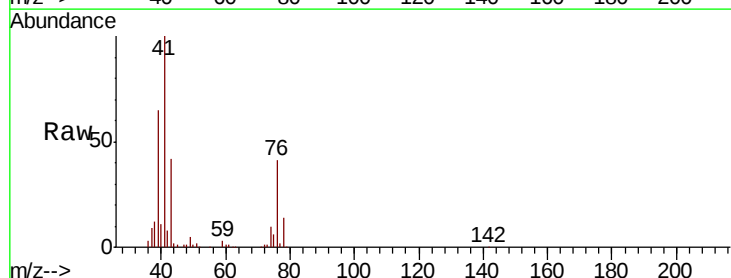
Tgt Ion: 41 Resp: 593307

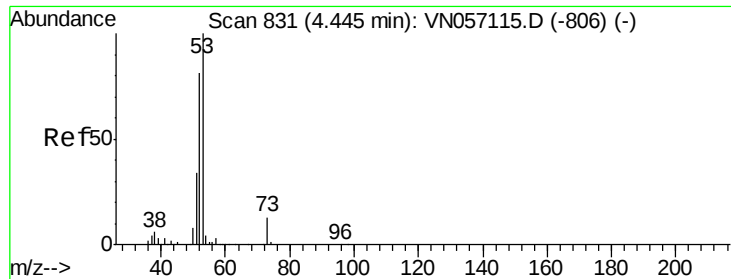
Ion Ratio Lower Upper

41 100

39 66.7 51.1 76.7

76 40.5 32.8 49.2





#15

Acrylonitrile

Concen: 248.788 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

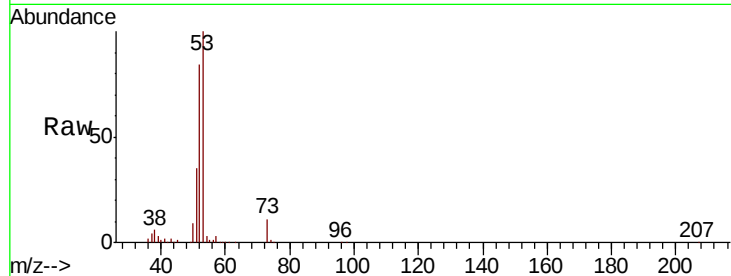
Tgt Ion: 53 Resp: 961972

Ion Ratio Lower Upper

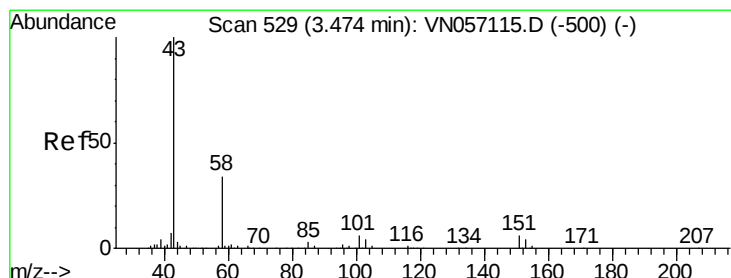
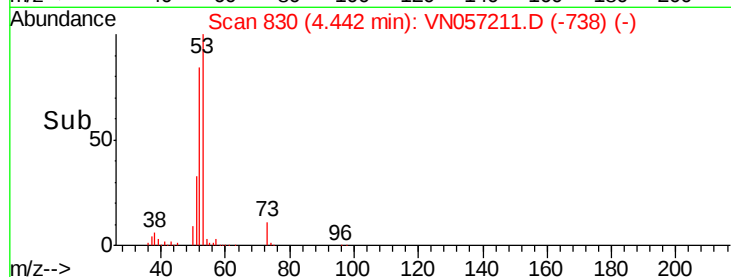
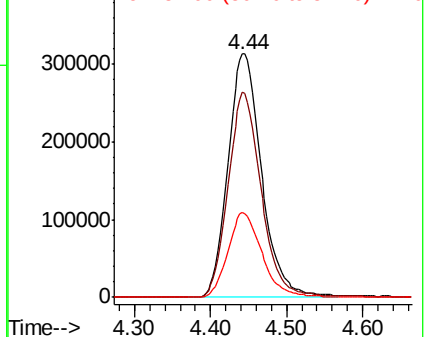
53 100

52 82.9 64.9 97.3

51 35.3 27.8 41.6



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



#16

Acetone

Concen: 271.078 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057211.D

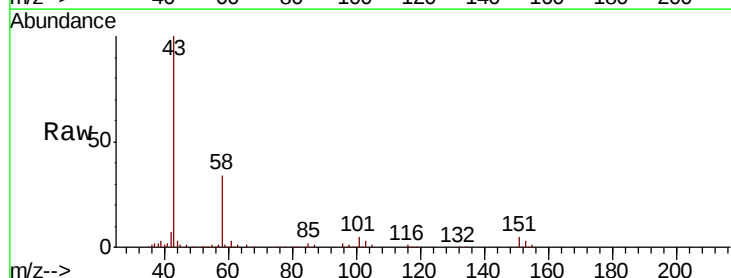
Acq: 12 Aug 2019 13:03

Tgt Ion: 43 Resp: 821905

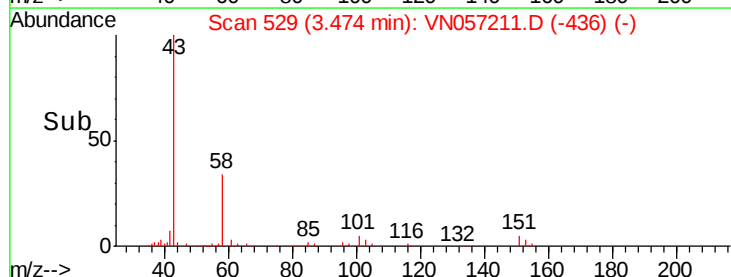
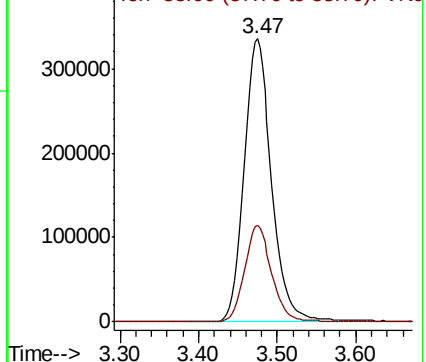
Ion Ratio Lower Upper

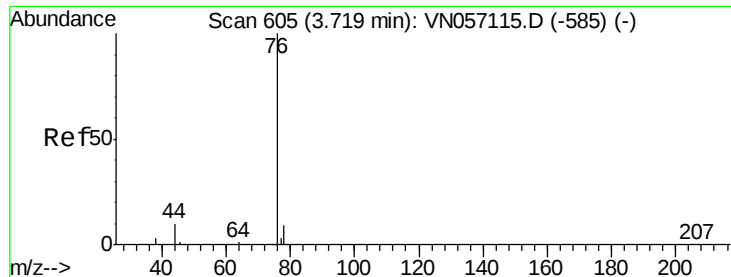
43 100

58 34.0 27.4 41.2



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

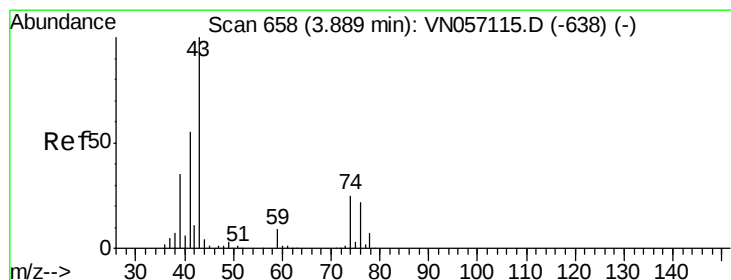
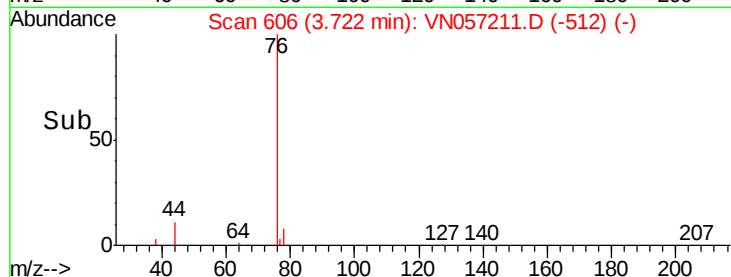
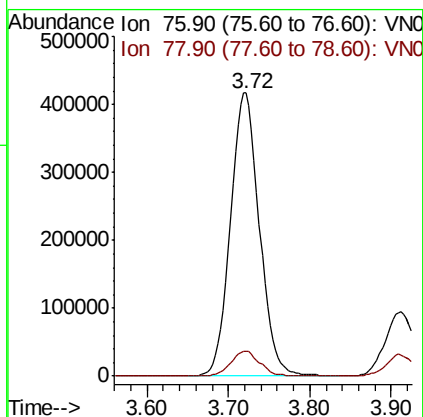
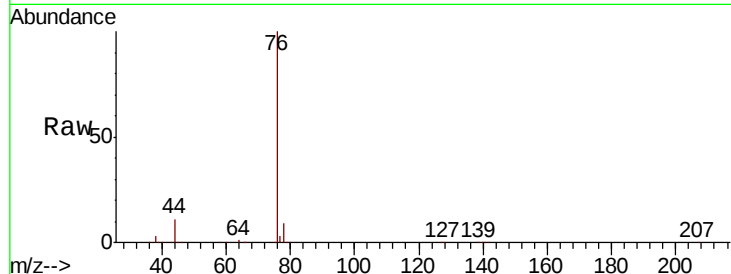




#17
Carbon Disulfide
Concen: 46.710 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

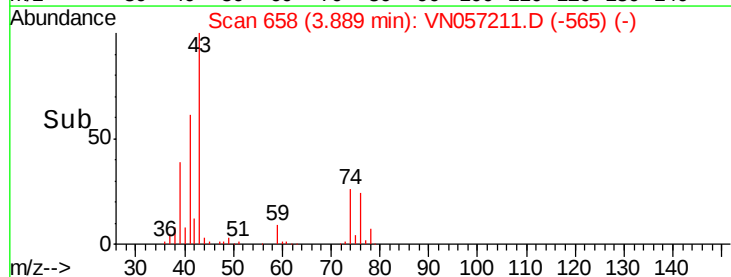
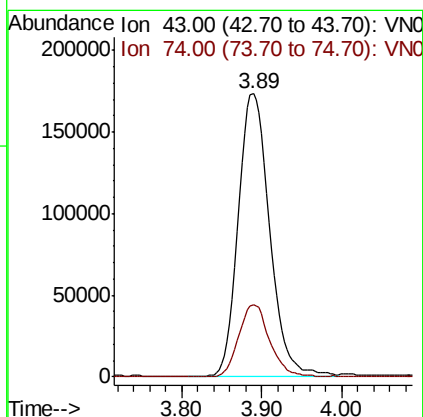
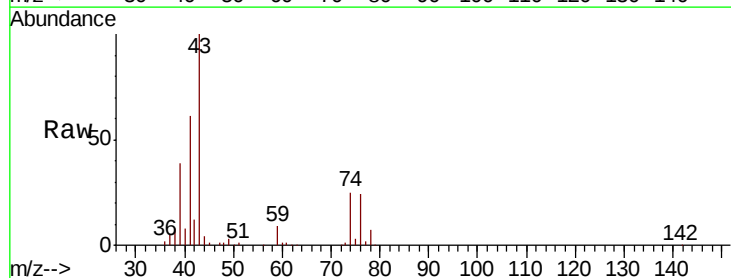
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

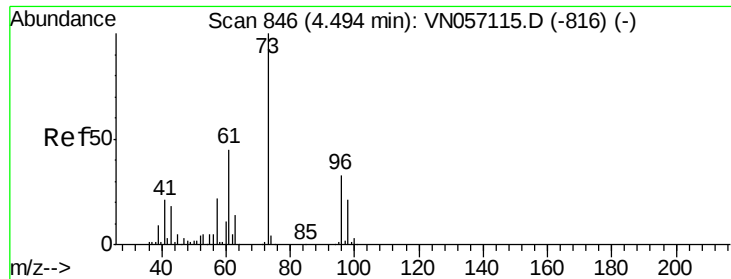
Tgt Ion: 76 Resp: 1032215
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 50.776 ug/l
RT: 3.89 min Scan# 658
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 43 Resp: 458598
Ion Ratio Lower Upper
43 100
74 25.2 20.2 30.4

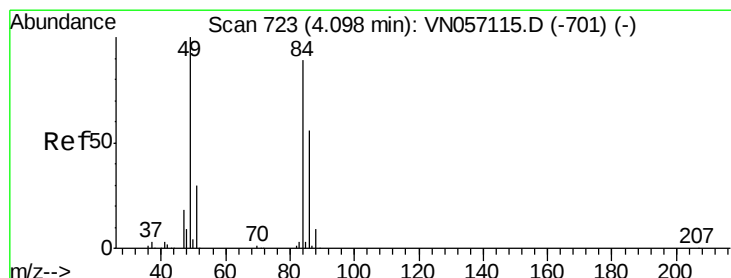
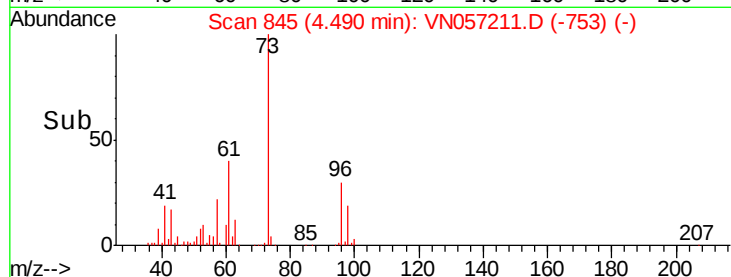
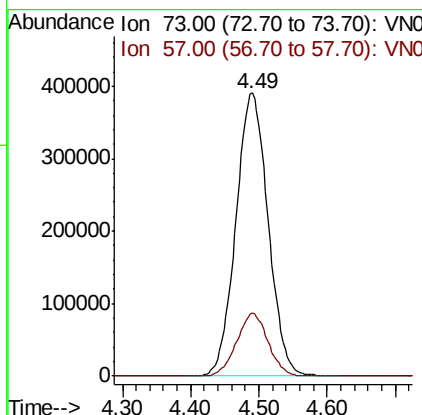
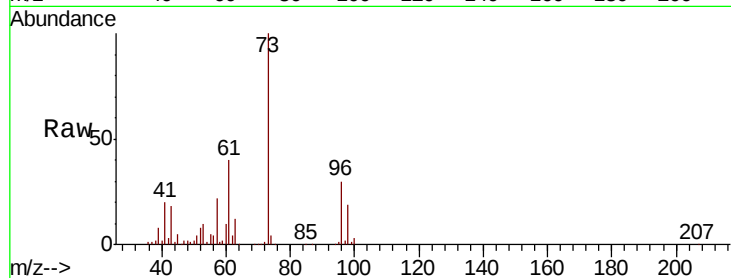




#19
Methyl tert-butyl Ether
Concen: 51.122 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

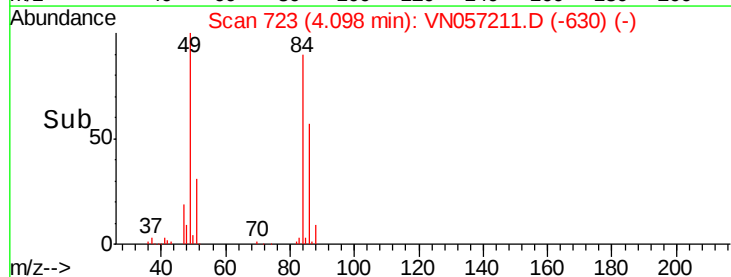
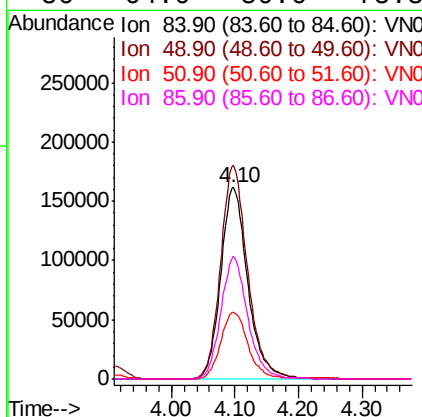
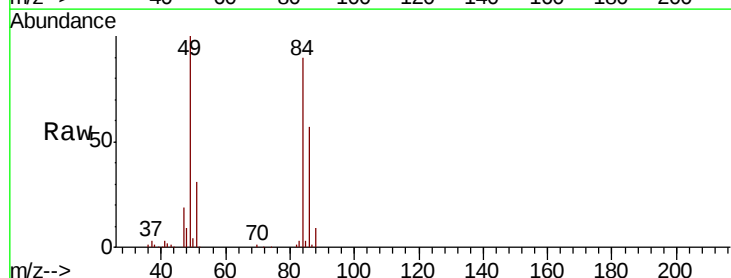
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

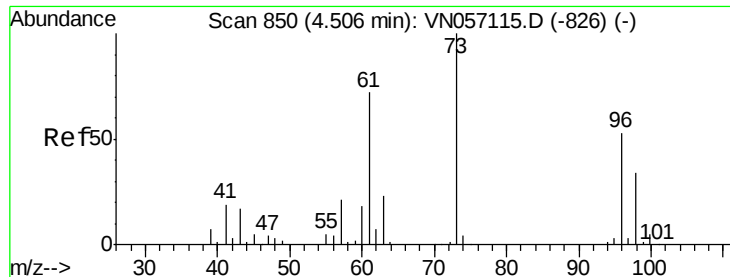
Tgt Ion: 73 Resp: 1282012
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0



#20
Methylene Chloride
Concen: 47.726 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 84 Resp: 477570
Ion Ratio Lower Upper
84 100
49 111.5 89.5 134.3
51 34.8 27.2 40.8
86 64.0 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 48.937 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

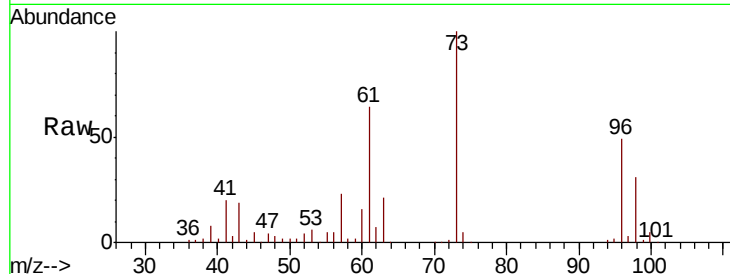
Tgt Ion: 96 Resp: 442813

Ion Ratio Lower Upper

96 100

61 130.2 108.1 162.1

98 62.4 50.5 75.7

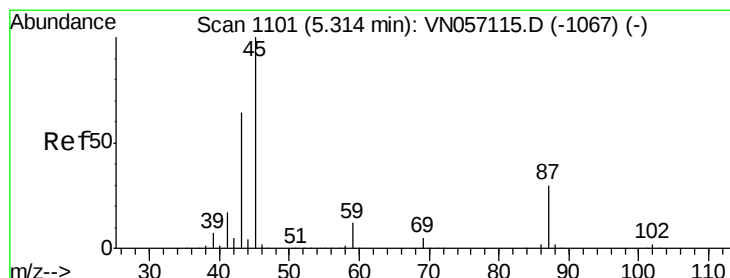
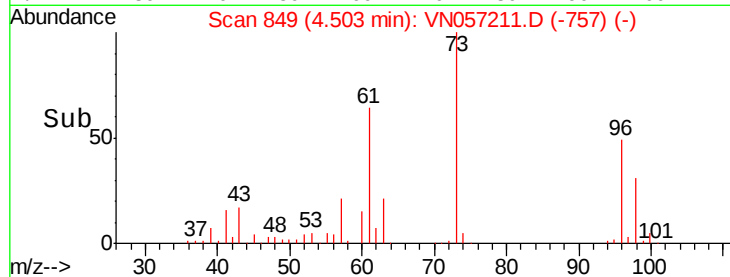
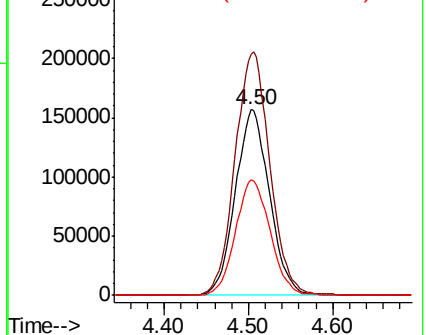


Abundance

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



#22

Diisopropyl ether

Concen: 49.471 ug/l

RT: 5.31 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Tgt Ion: 45 Resp: 1302635

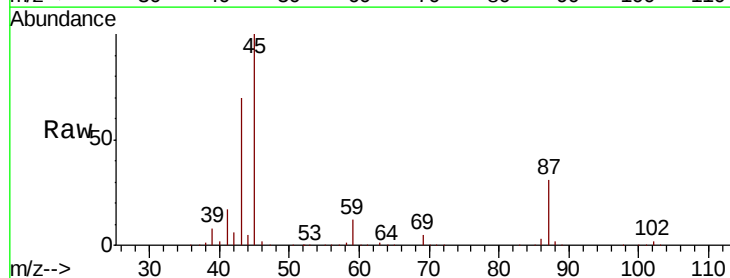
Ion Ratio Lower Upper

45 100

43 69.2 54.1 81.1

87 31.0 24.0 36.0

59 12.2 10.0 15.0



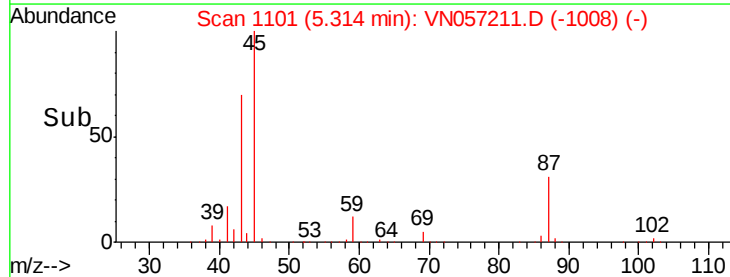
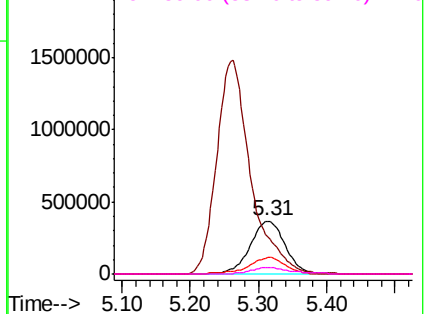
Abundance

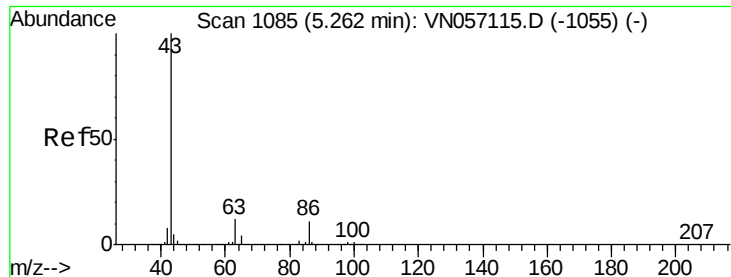
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 255.302 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

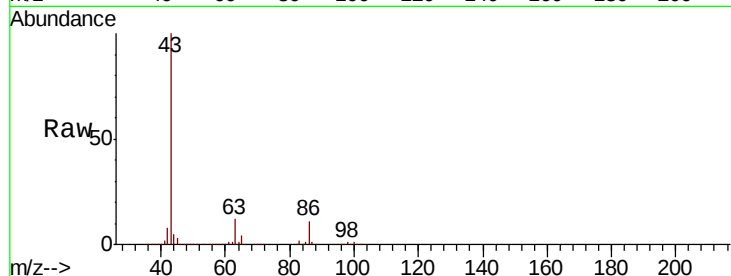
VSTDCCC050

Tgt Ion: 43 Resp: 5147743

Ion Ratio Lower Upper

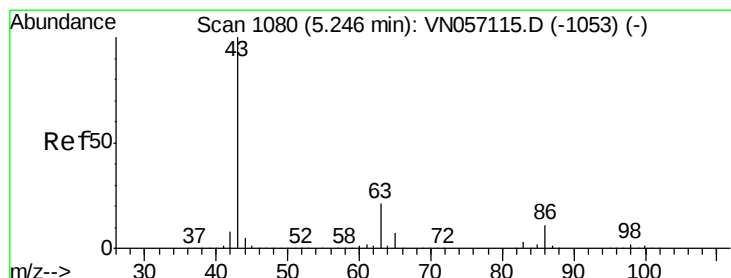
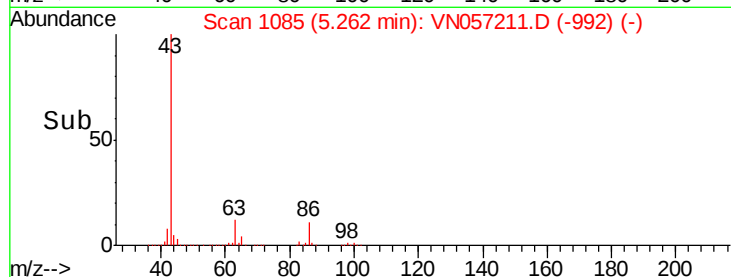
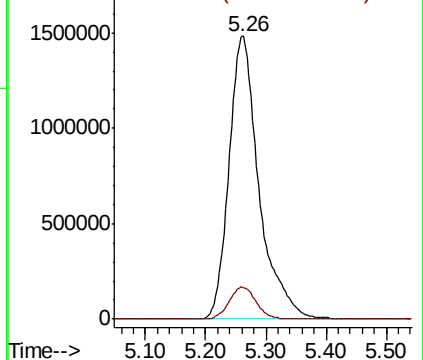
43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.697 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

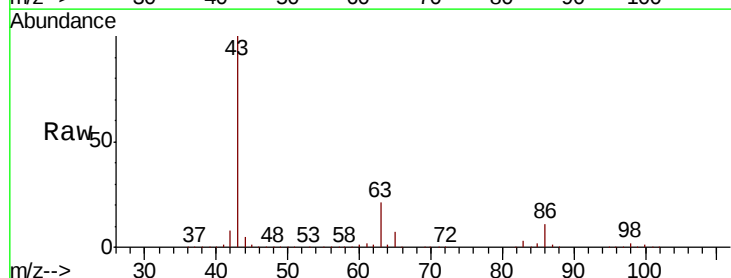
Tgt Ion: 63 Resp: 788245

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.2

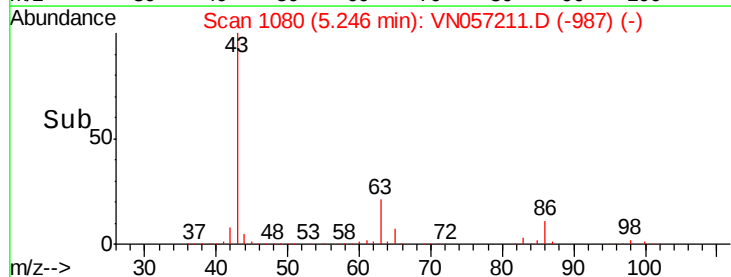
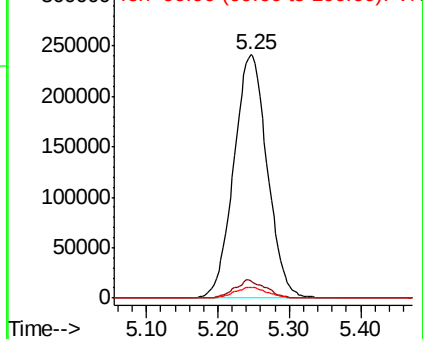
100 4.6 2.1 6.3

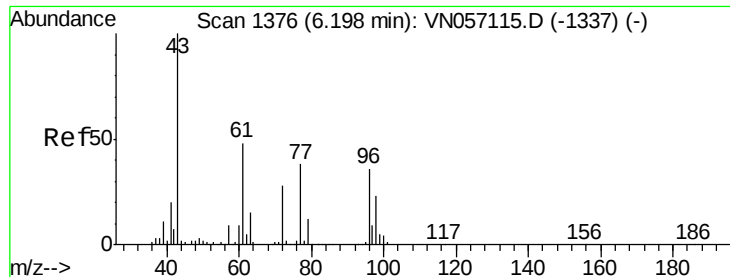


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

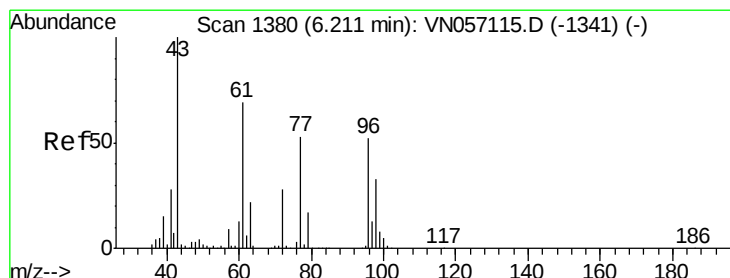
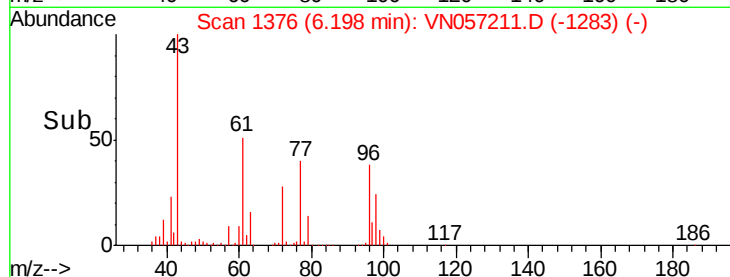
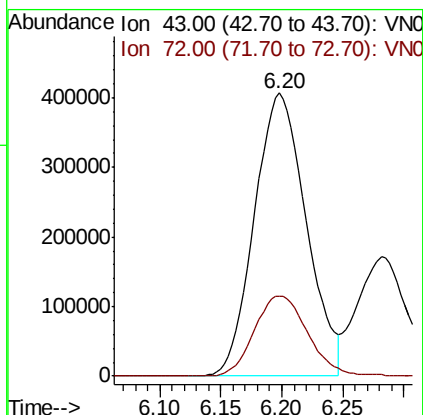
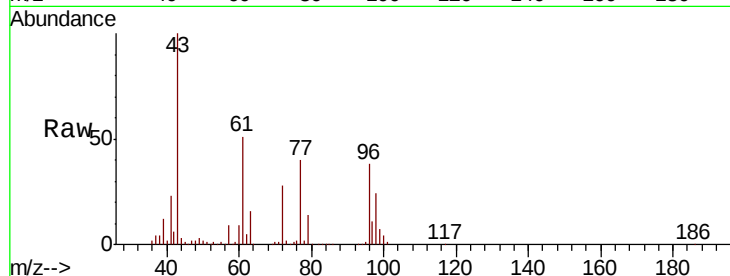




#25
2-Butanone
Concen: 258.625 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

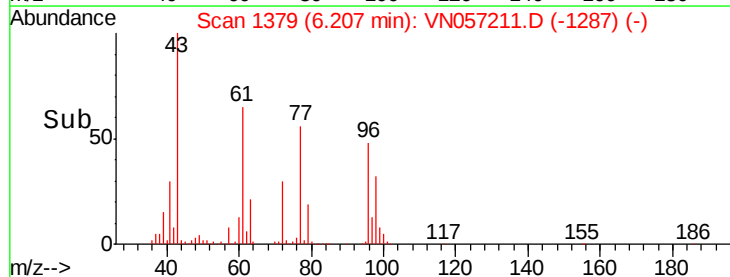
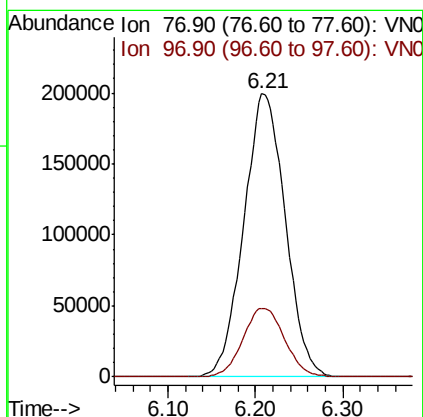
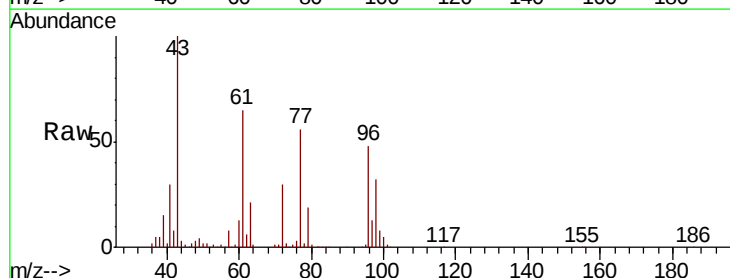
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

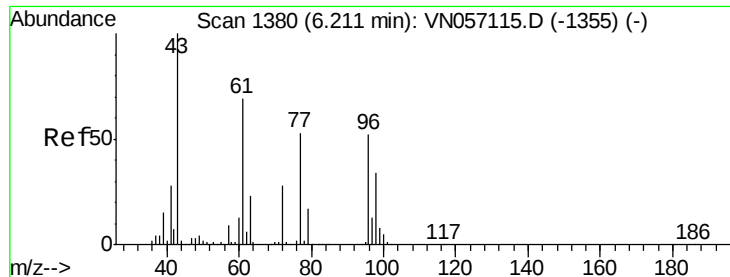
Tgt Ion: 43 Resp: 1198058
Ion Ratio Lower Upper
43 100
72 28.5 22.2 33.4



#26
2,2-Dichloropropane
Concen: 55.708 ug/l
RT: 6.21 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 77 Resp: 656030
Ion Ratio Lower Upper
77 100
97 24.4 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 50.321 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

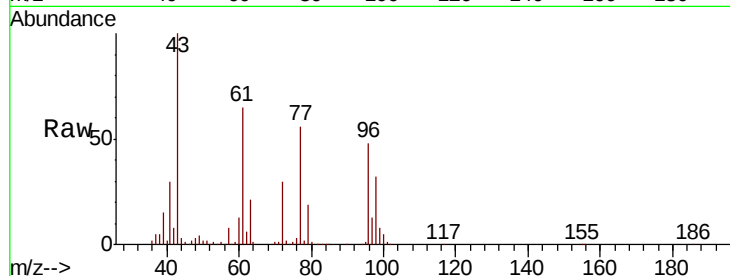
Tgt Ion: 96 Resp: 521643

Ion Ratio Lower Upper

96 100

61 137.7 0.0 273.4

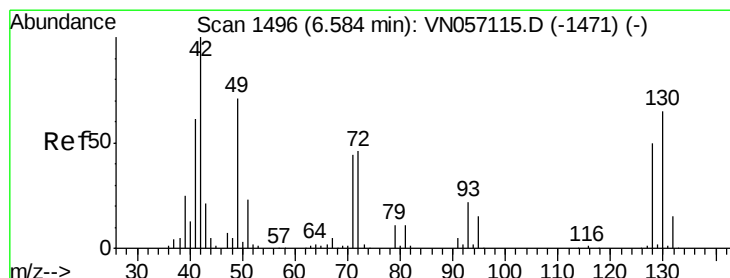
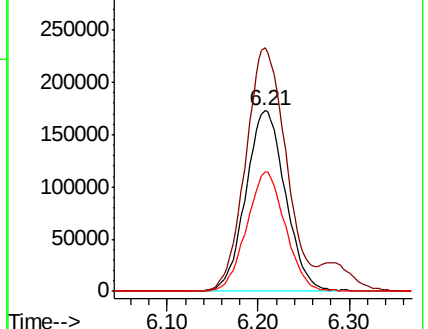
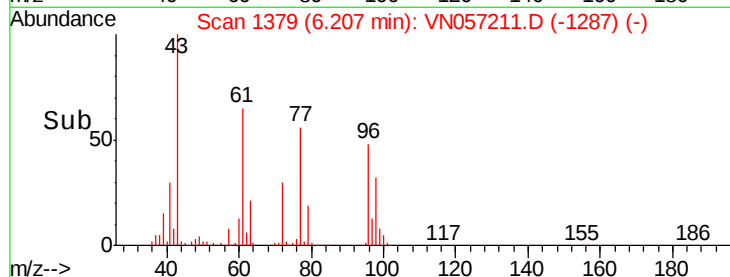
98 64.9 0.0 130.4



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: 53.157 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

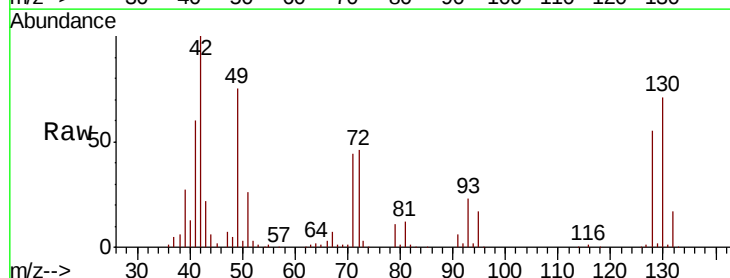
Tgt Ion: 49 Resp: 395770

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.8

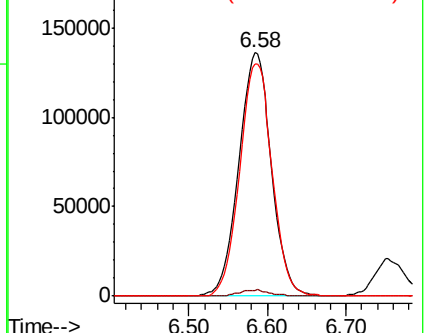
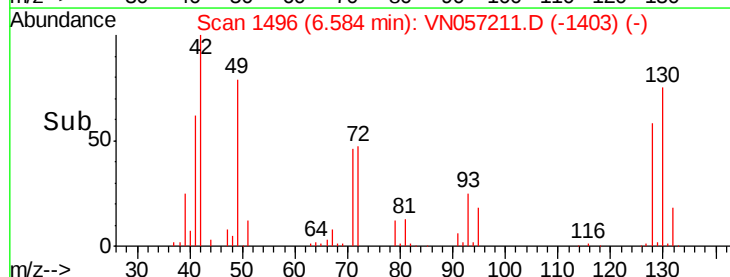
130 95.3 73.8 110.8

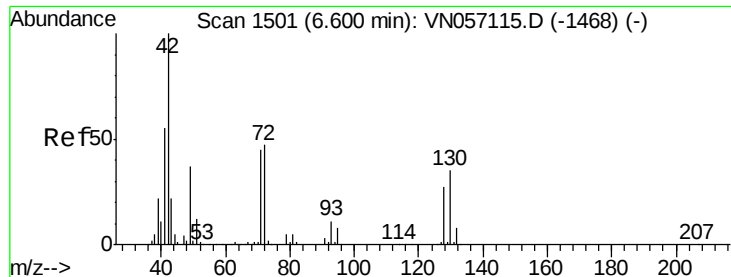


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 246.458 ug/l

RT: 6.60 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

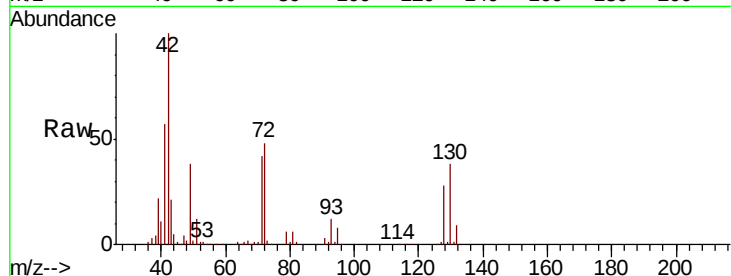
Tgt Ion: 42 Resp: 769095

Ion Ratio Lower Upper

42 100

72 46.6 37.1 55.7

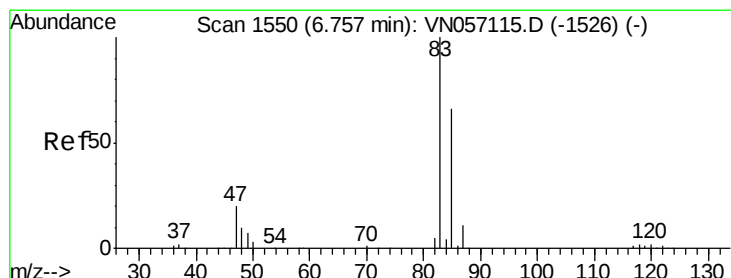
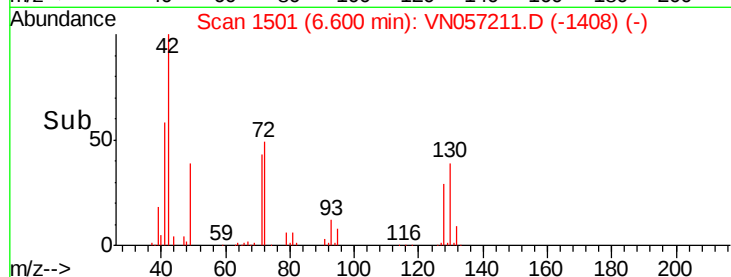
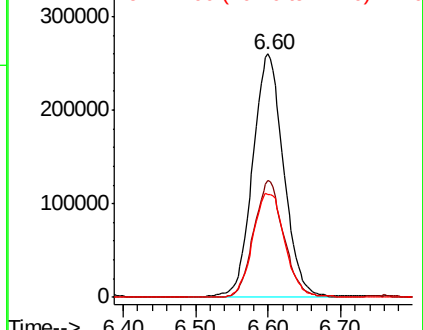
71 44.4 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 49.222 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057211.D

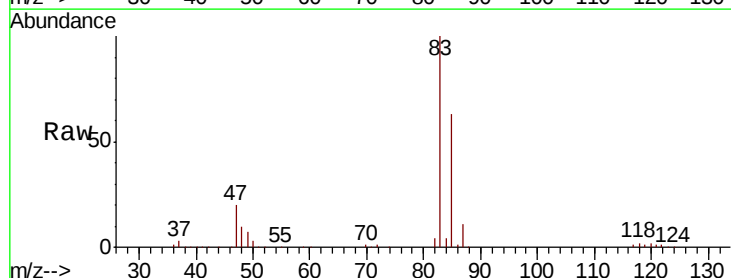
Acq: 12 Aug 2019 13:03

Tgt Ion: 83 Resp: 824628

Ion Ratio Lower Upper

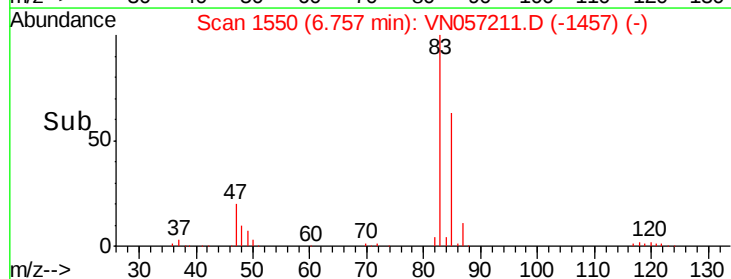
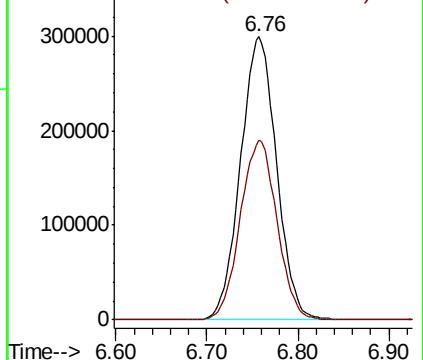
83 100

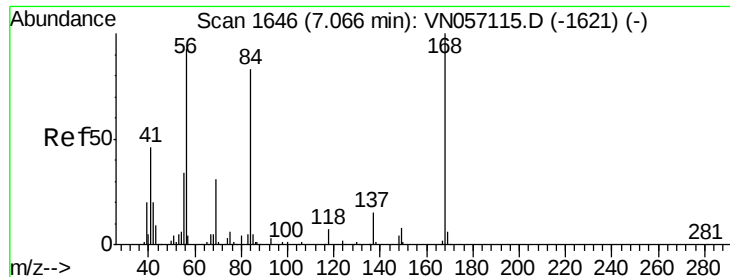
85 63.5 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

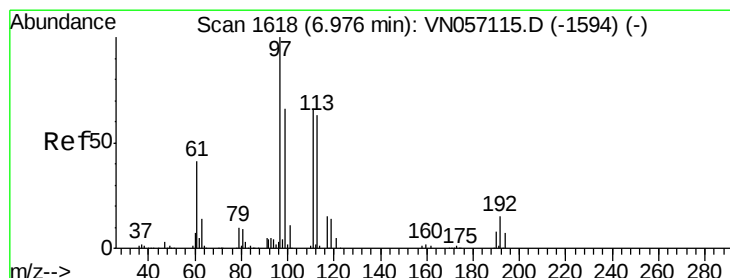
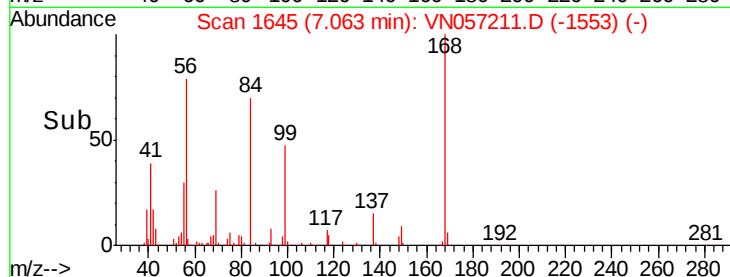
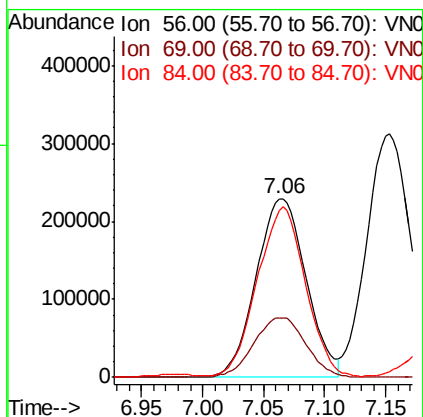
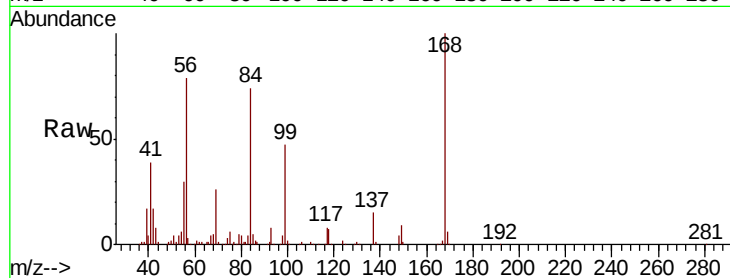




#31
Cyclohexane
Concen: 44.933 ug/l
RT: 7.06 min Scan# 1645
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

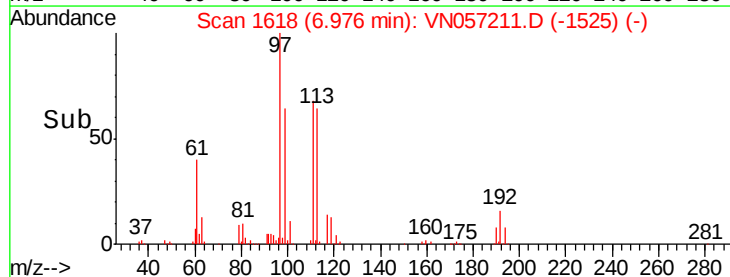
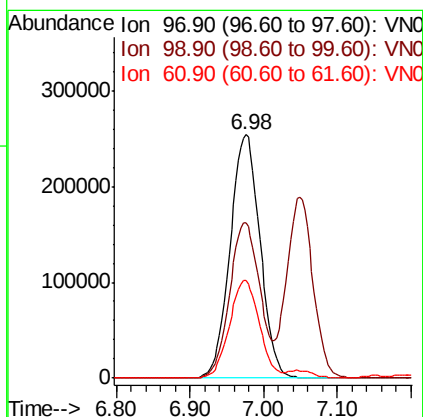
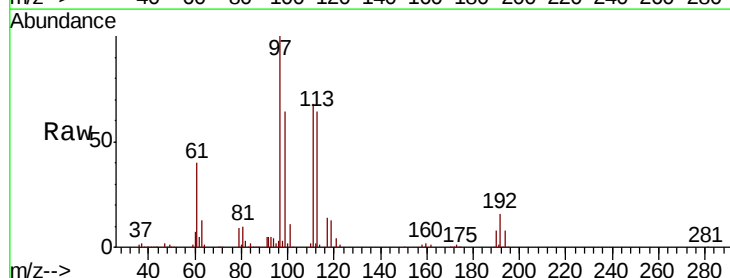
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

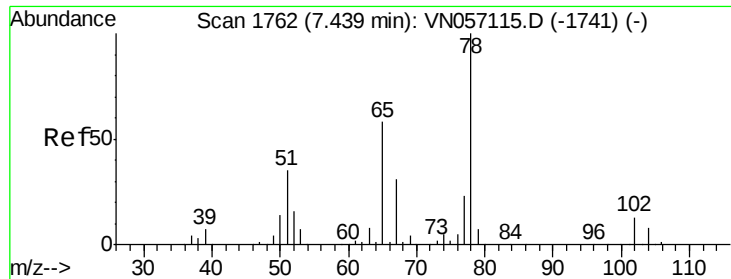
Tgt Ion: 56 Resp: 654340
Ion Ratio Lower Upper
56 100
69 33.4 26.9 40.3
84 91.7 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 51.137 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 97 Resp: 718674
Ion Ratio Lower Upper
97 100
99 65.1 51.8 77.6
61 40.2 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 51.405 ug/l

RT: 7.44 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

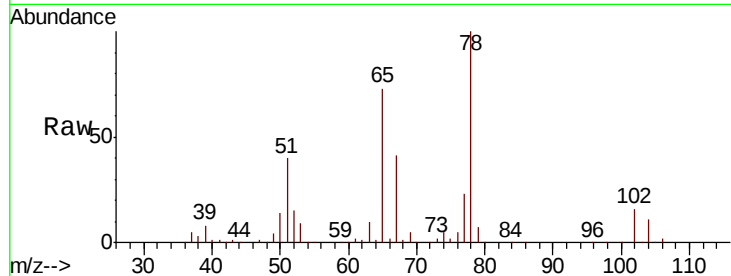
VSTDCCC050

Tgt Ion: 65 Resp: 516086

Ion Ratio Lower Upper

65 100

67 55.2 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN057211.D (-1741) (-)

Ion 66.90 (66.60 to 67.60): VN057211.D (-1741) (-)

7.44

250000

200000

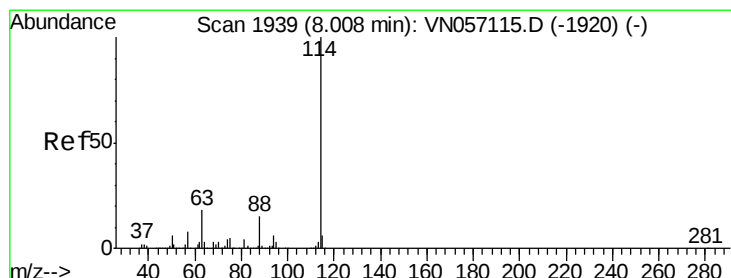
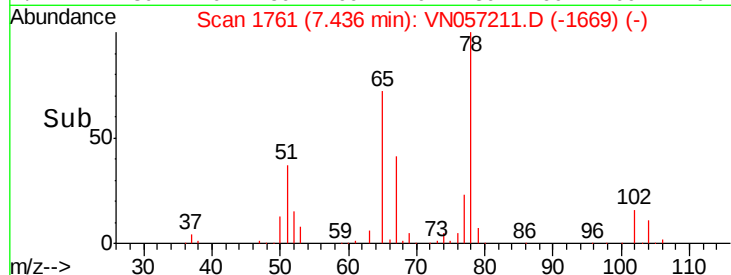
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

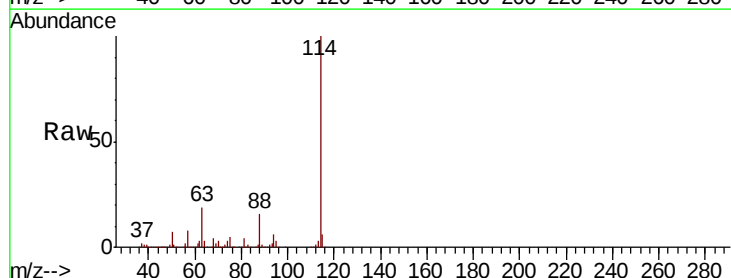
Tgt Ion: 114 Resp: 1402256

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.2

88 15.7 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN057211.D (-1920) (-)

Ion 63.00 (62.70 to 63.70): VN057211.D (-1920) (-)

Ion 87.90 (87.60 to 88.60): VN057211.D (-1920) (-)

8.01

800000

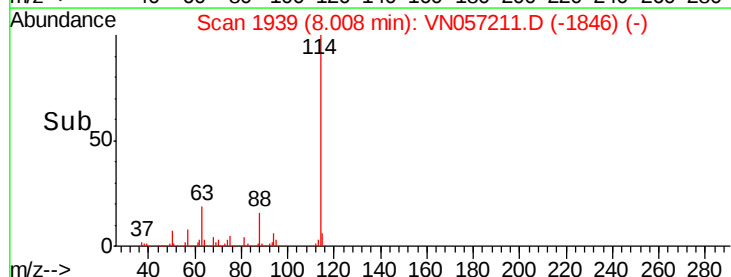
600000

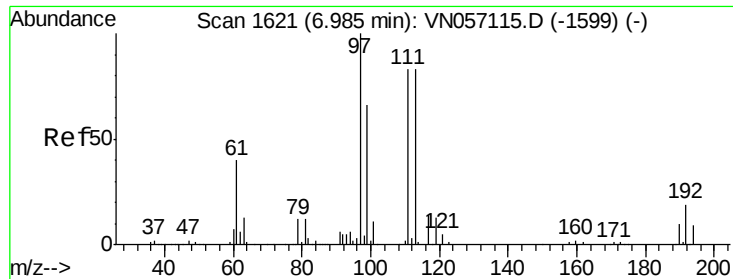
400000

200000

0

Time-->

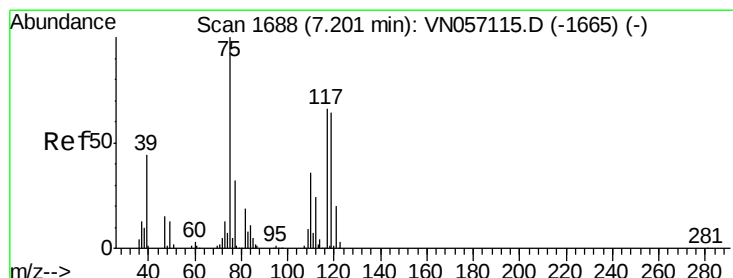
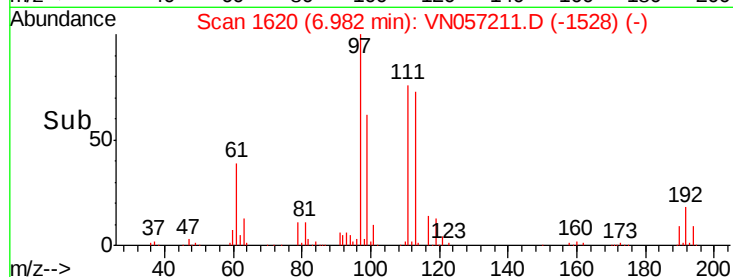
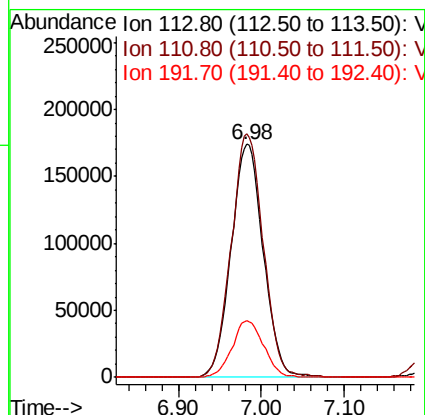
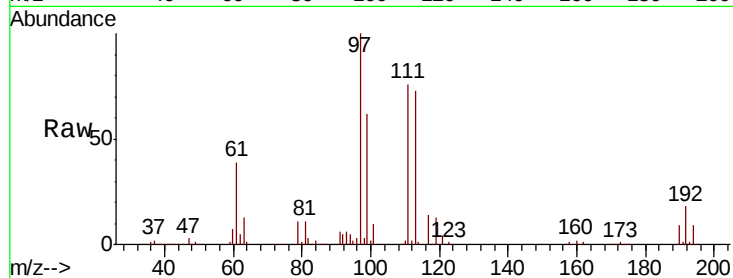




#35
 Dibromofluoromethane
 Concen: 53.432 ug/l
 RT: 6.98 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

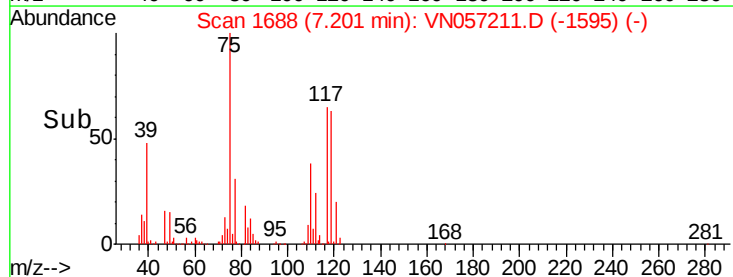
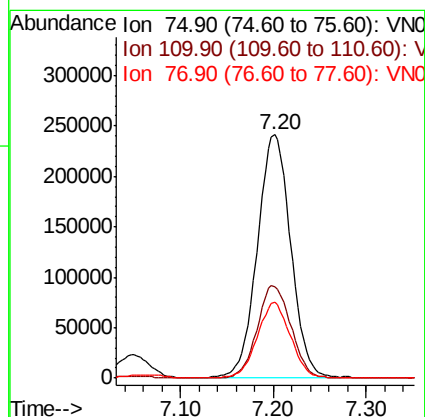
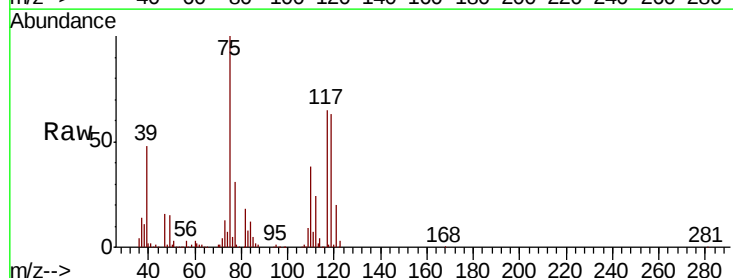
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

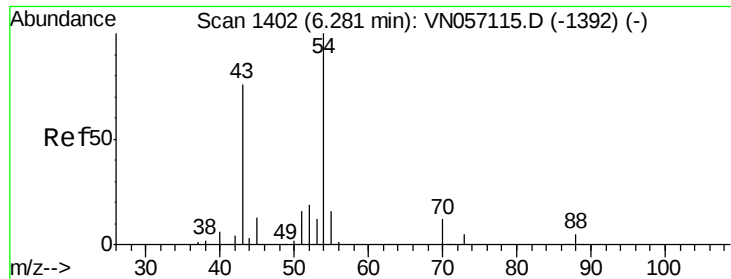
Tgt Ion: 113 Resp: 470168
 Ion Ratio Lower Upper
 113 100
 111 104.3 81.3 121.9
 192 23.9 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 52.446 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 75 Resp: 605515
 Ion Ratio Lower Upper
 75 100
 110 38.4 18.7 56.1
 77 30.9 25.0 37.4

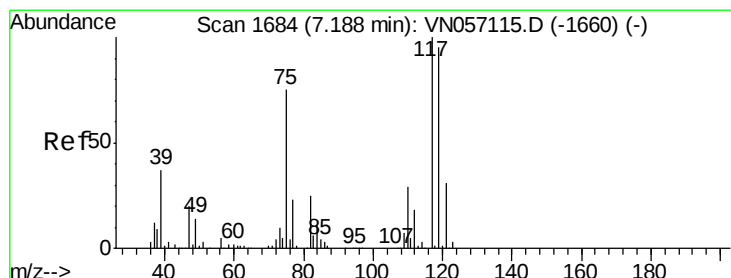
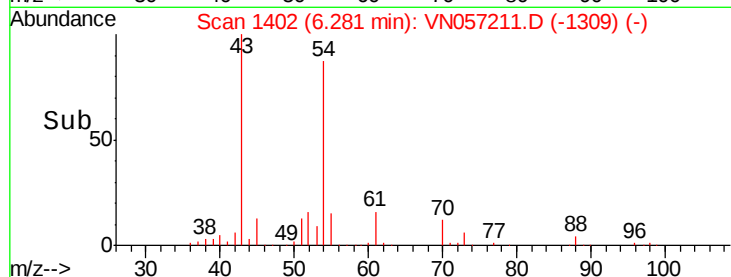
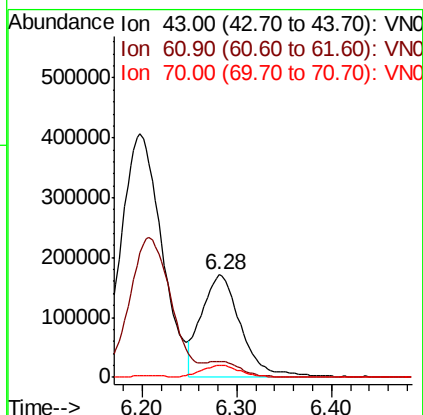
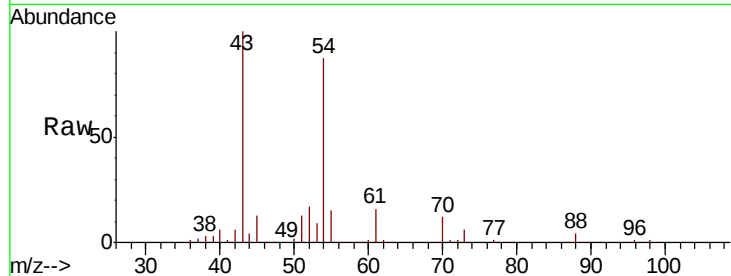




#37
 Ethyl Acetate
 Concen: 51.471 ug/l
 RT: 6.28 min Scan# 1402
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

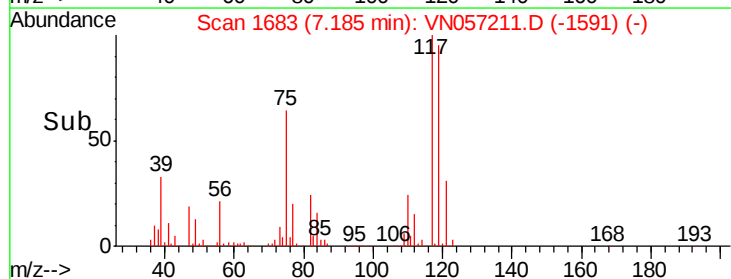
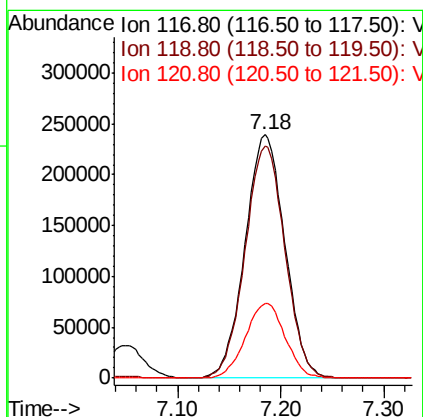
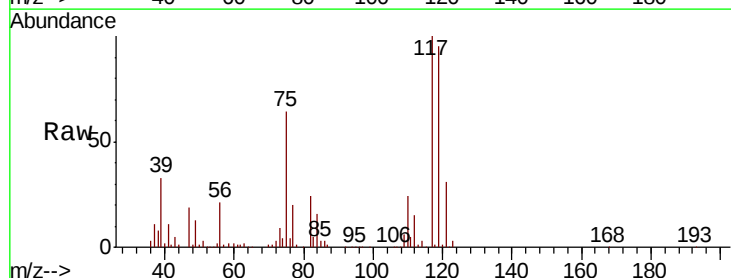
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

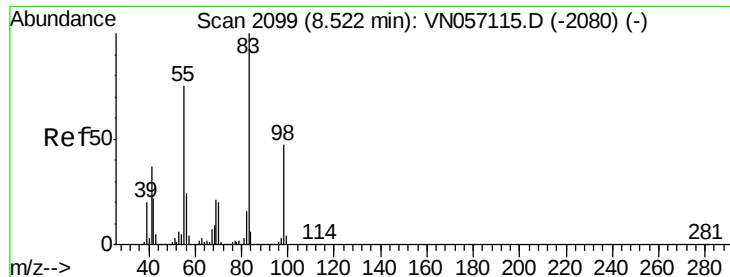
Tgt Ion: 43 Resp: 489868
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 11.5 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 53.008 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 117 Resp: 637818
 Ion Ratio Lower Upper
 117 100
 119 95.5 75.8 113.6
 121 30.8 24.4 36.6

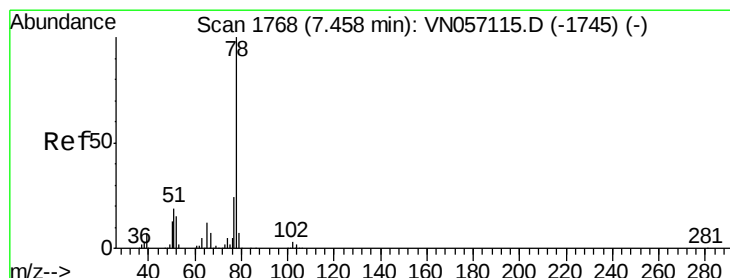
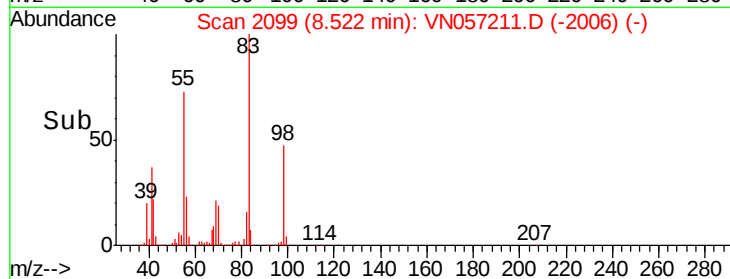
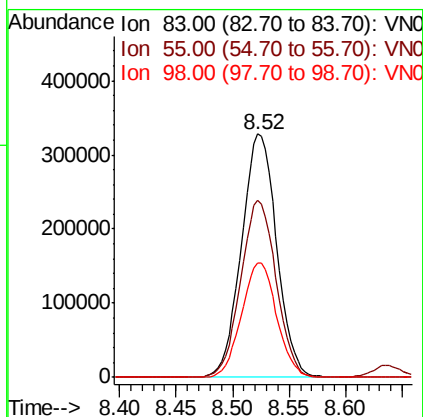
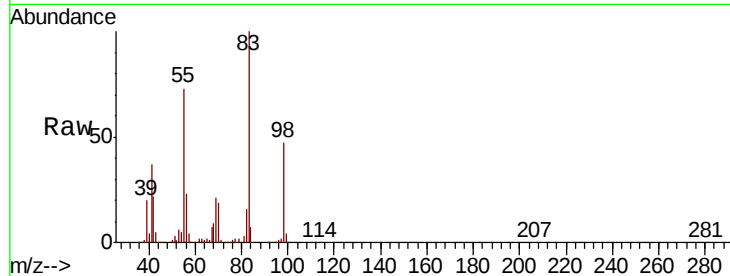




#39
Methylcyclohexane
Concen: 50.658 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

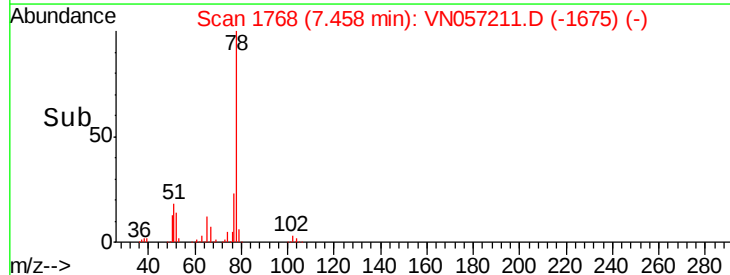
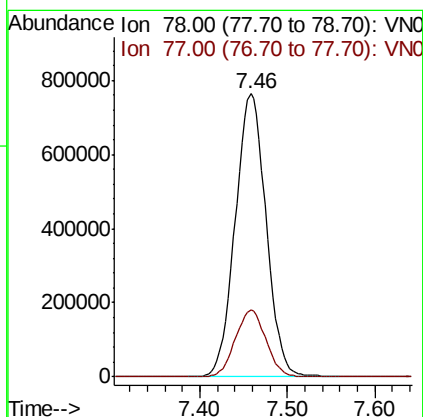
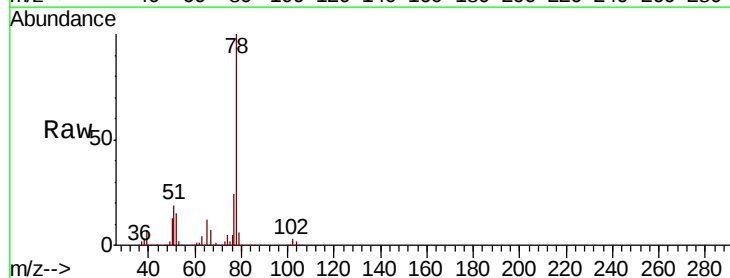
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

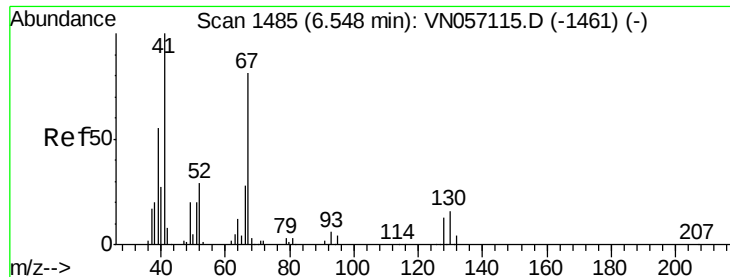
Tgt Ion: 83 Resp: 711257
Ion Ratio Lower Upper
83 100
55 72.9 60.3 90.5
98 46.8 37.9 56.9



#40
Benzene
Concen: 51.211 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 78 Resp: 1871750
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8

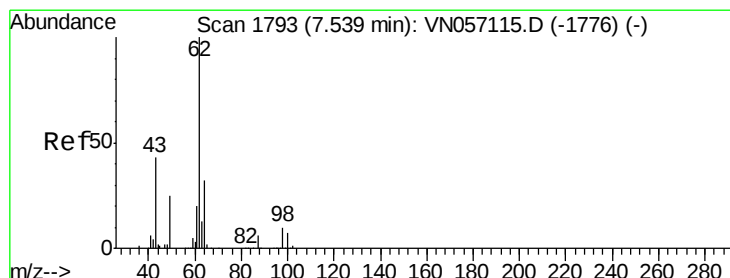
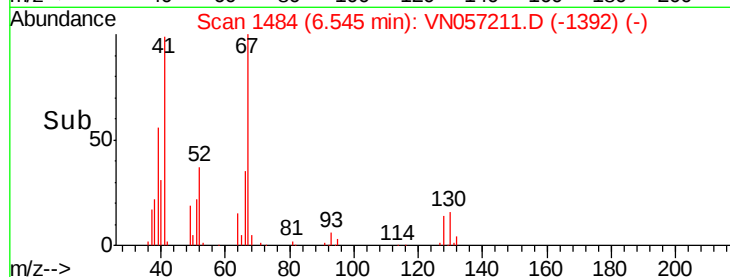
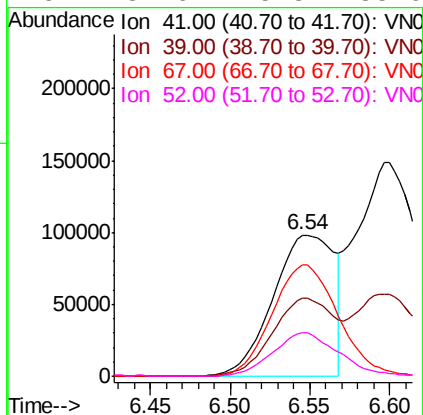
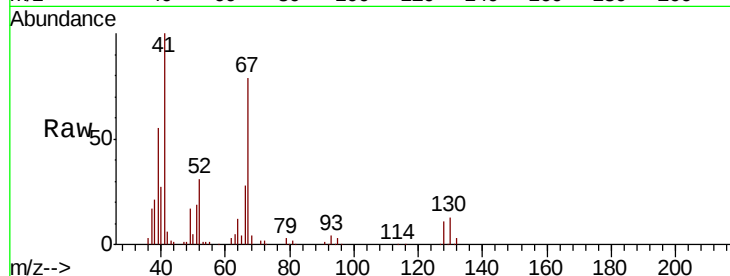




#41
Methacrylonitrile
Concen: 54.240 ug/l
RT: 6.54 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

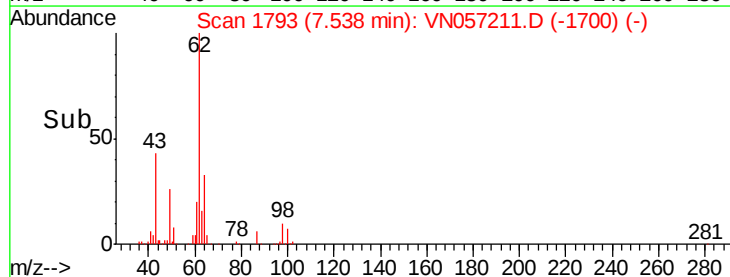
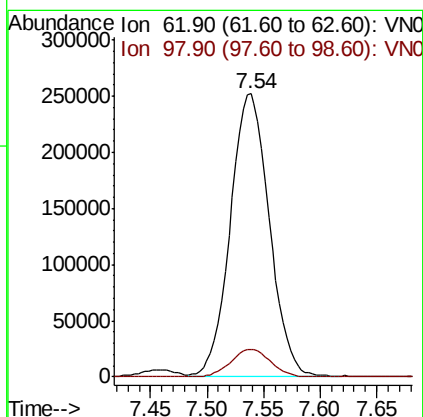
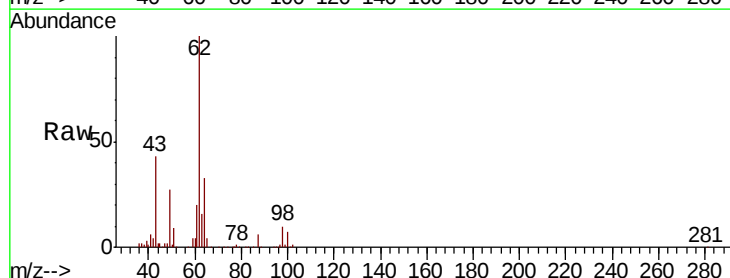
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

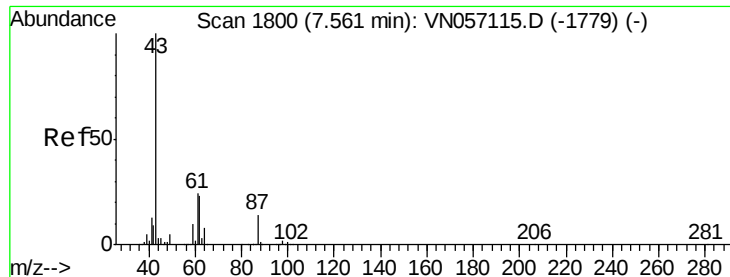
Tgt Ion:	41	Resp:	262222
Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.9	67.3
67	85.5	69.1	103.7
52	32.6	25.8	38.6



#42
1,2-Dichloroethane
Concen: 51.616 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion:	62	Resp:	601675
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4





#43

Isopropyl Acetate

Concen: 53.192 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

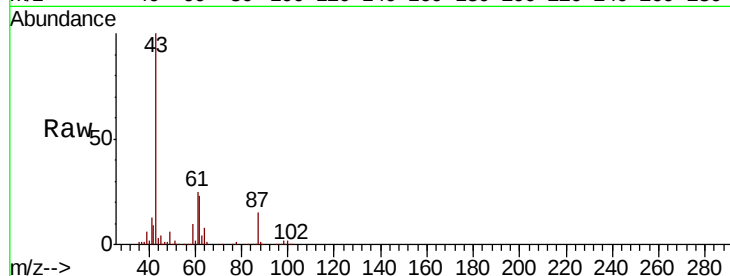
Tgt Ion: 43 Resp: 863925

Ion Ratio Lower Upper

43 100

61 28.9 24.2 36.2

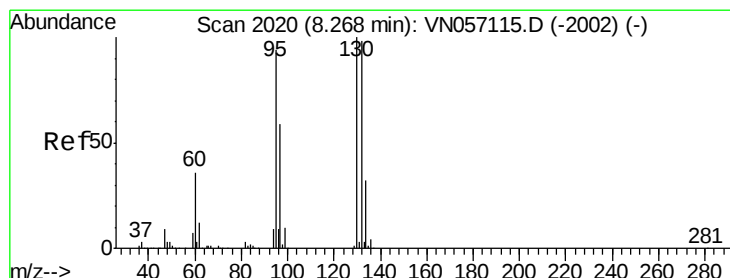
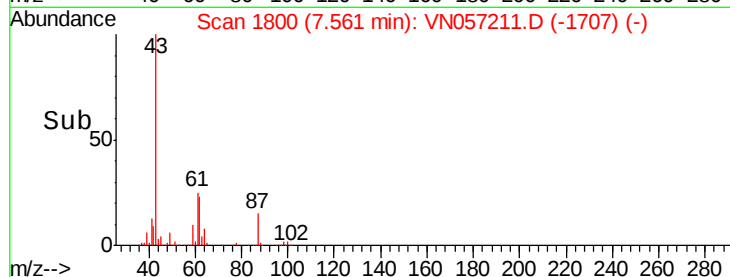
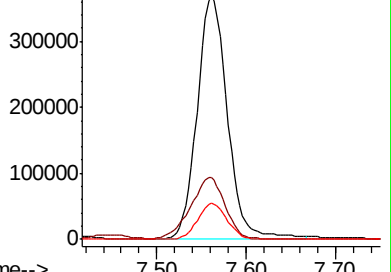
87 14.4 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057115.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057115.D (-1779) (-)



#44

Trichloroethene

Concen: 51.569 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057211.D

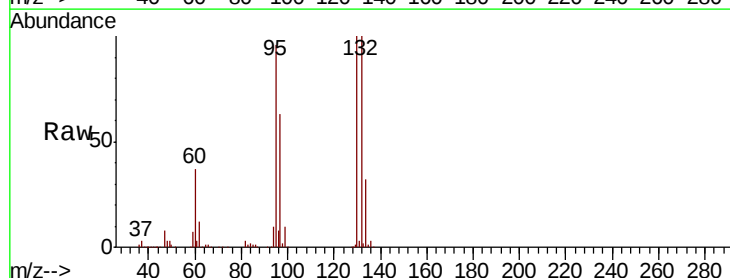
Acq: 12 Aug 2019 13:03

Tgt Ion: 130 Resp: 528059

Ion Ratio Lower Upper

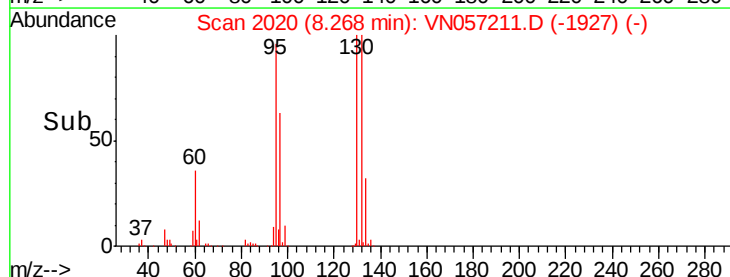
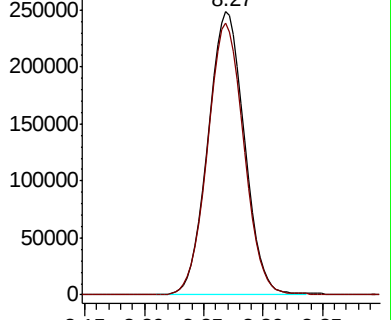
130 100

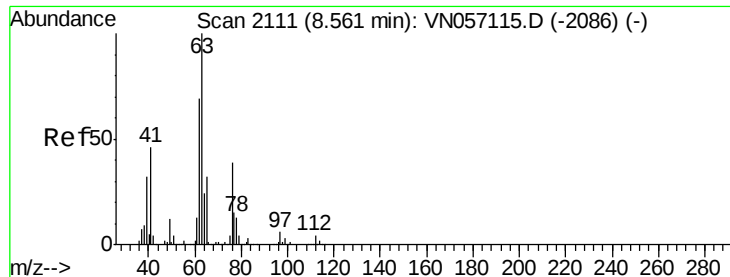
95 95.9 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

Ion 94.90 (94.60 to 95.60): VN057115.D (-2002) (-)

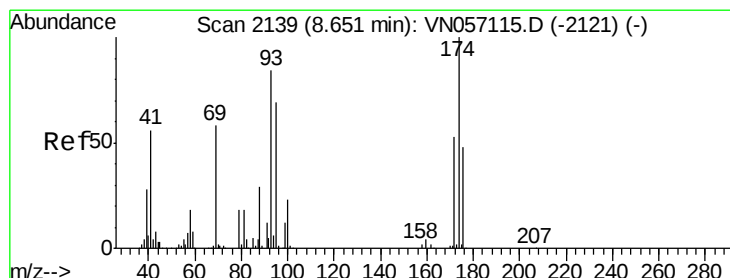
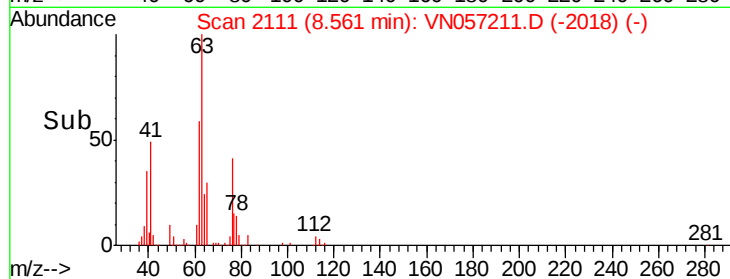
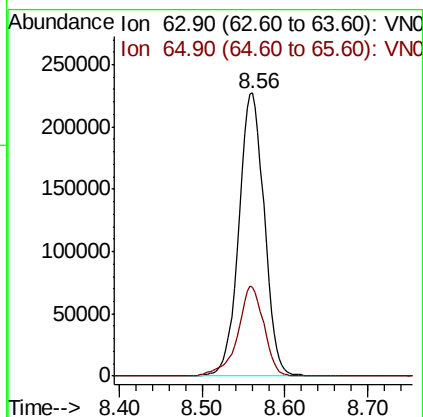
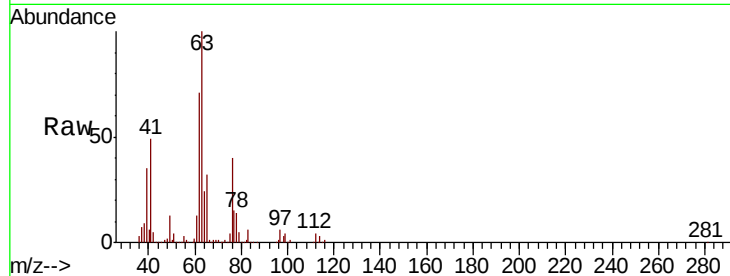




#45
 1,2-Dichloropropane
 Concen: 51.308 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

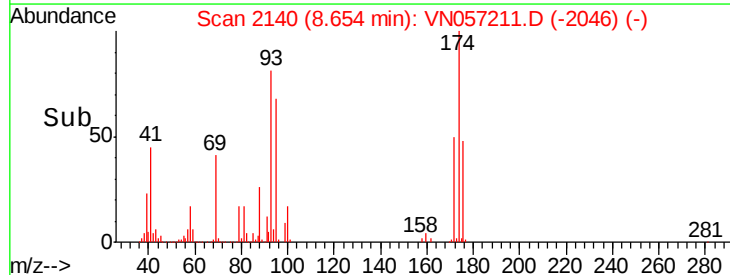
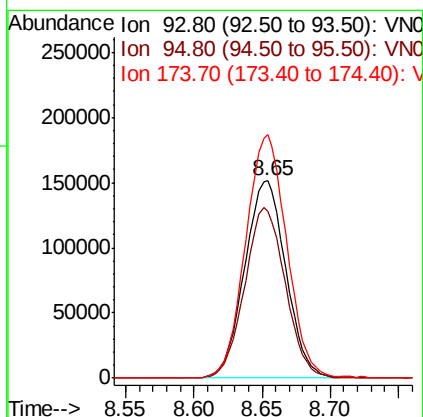
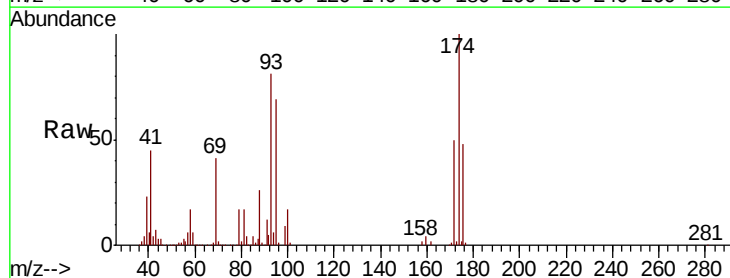
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

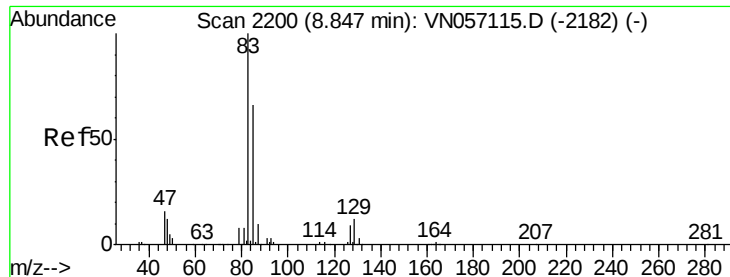
Tgt Ion: 63 Resp: 485561
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.2 37.8



#46
 Dibromomethane
 Concen: 52.351 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 93 Resp: 317667
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.0 99.0
 174 123.1 96.0 144.0





#47

Bromodichloromethane

Concen: 54.912 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

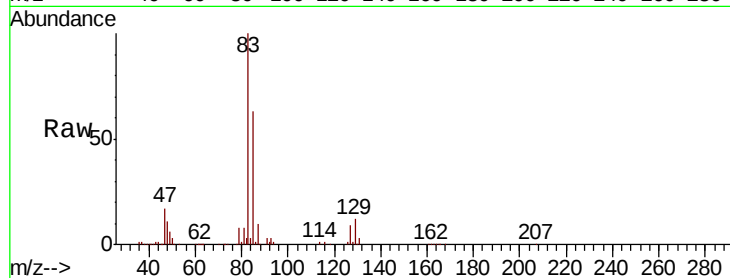
Tgt Ion: 83 Resp: 644731

Ion Ratio Lower Upper

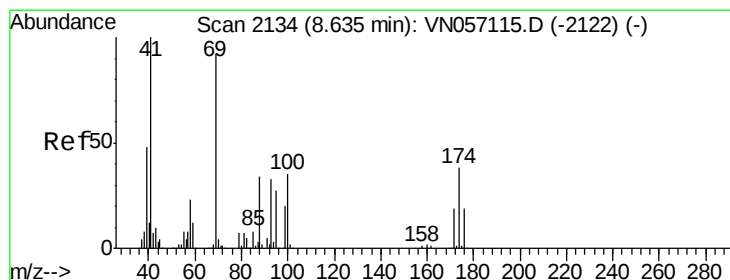
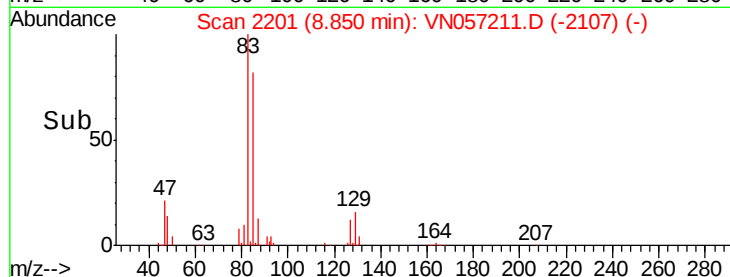
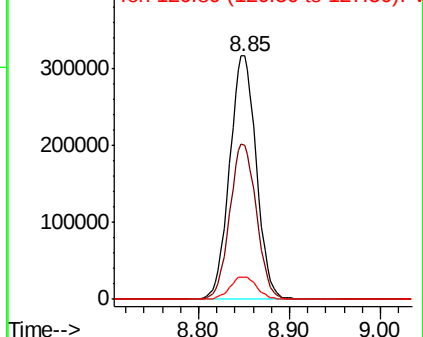
83 100

85 63.1 52.6 78.8

127 9.3 7.5 11.3



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



#48

Methyl methacrylate

Concen: 50.546 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

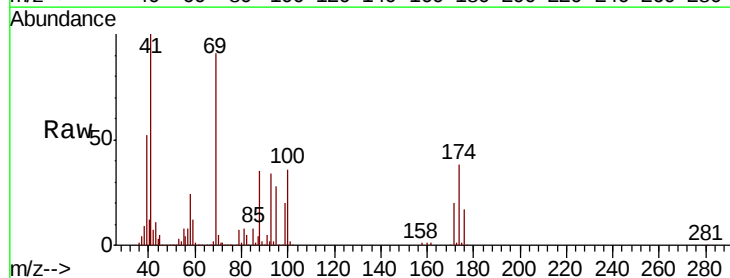
Tgt Ion: 41 Resp: 387115

Ion Ratio Lower Upper

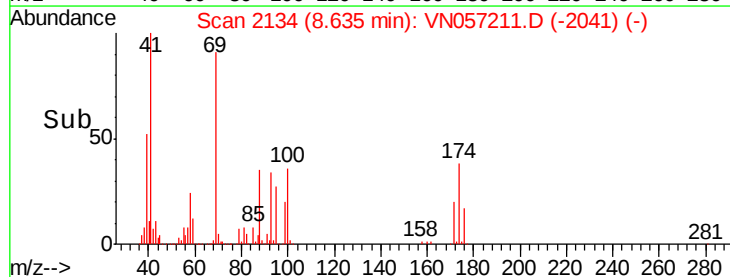
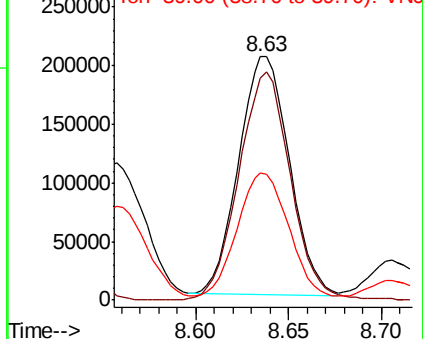
41 100

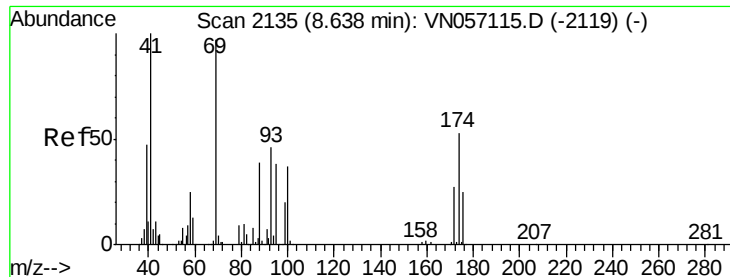
69 97.9 77.5 116.3

39 52.3 39.8 59.6



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

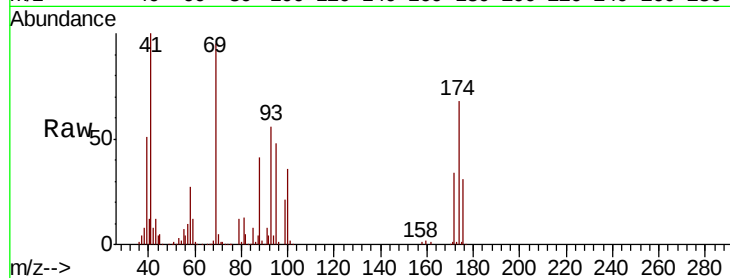




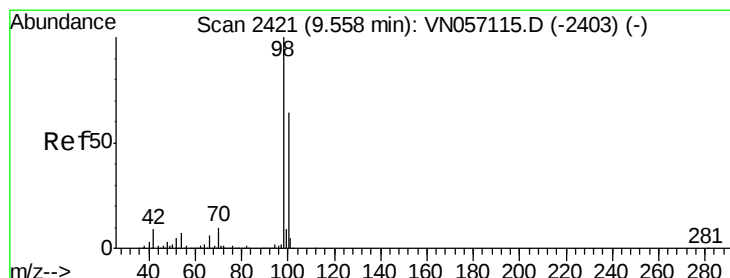
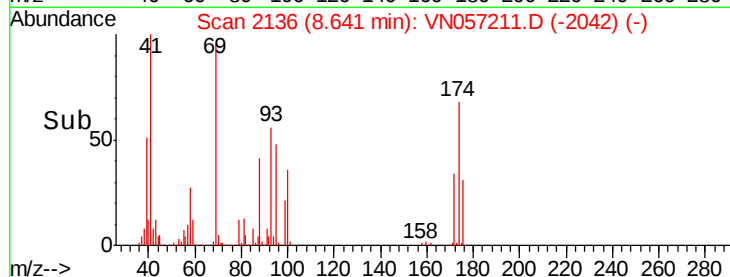
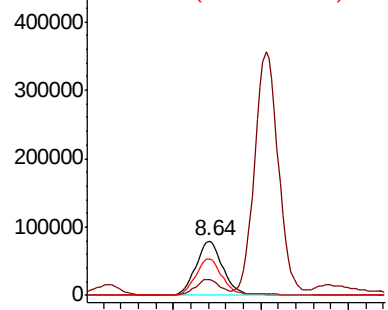
#49
1,4-Dioxane
Concen: 1098.754 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 171387
Ion Ratio Lower Upper
88 100
43 27.0 21.7 32.5
58 65.1 51.1 76.7

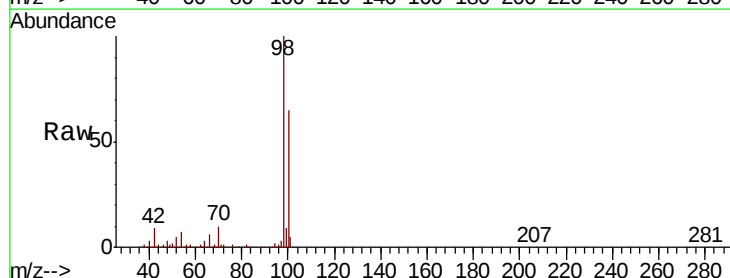


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

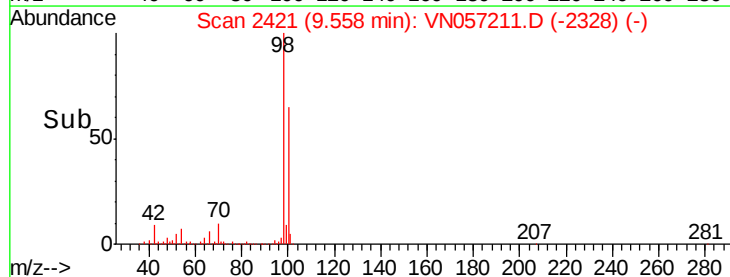
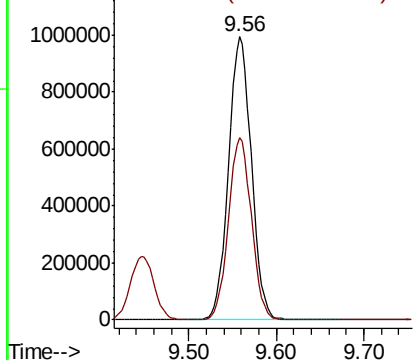


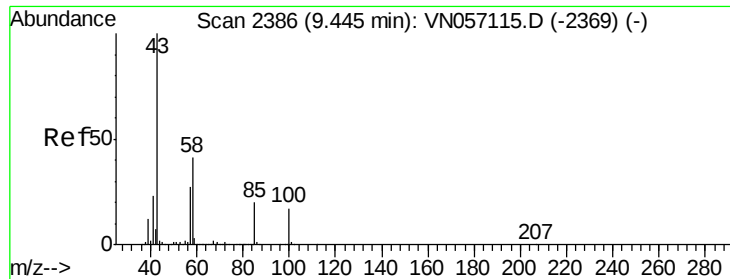
#50
Toluene-d8
Concen: 53.532 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 98 Resp: 1802146
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8



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: 257.856 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

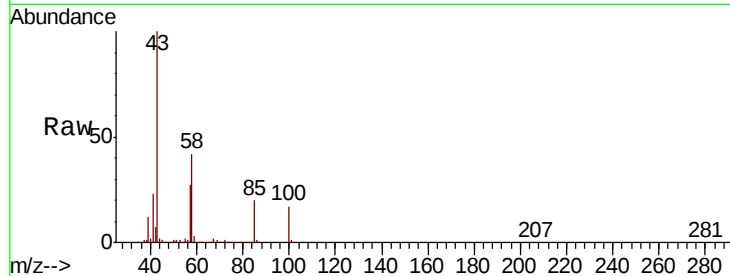
VSTDCCC050

Tgt Ion: 43 Resp: 2437409

Ion Ratio Lower Upper

43 100

58 41.8 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1500000

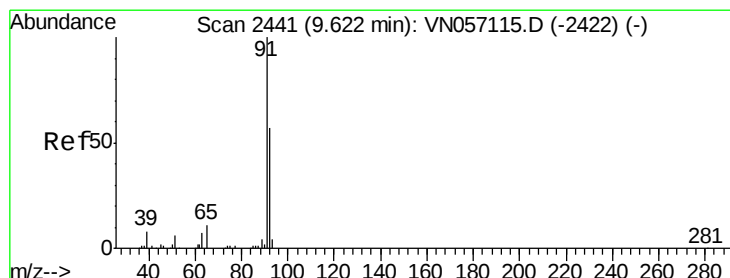
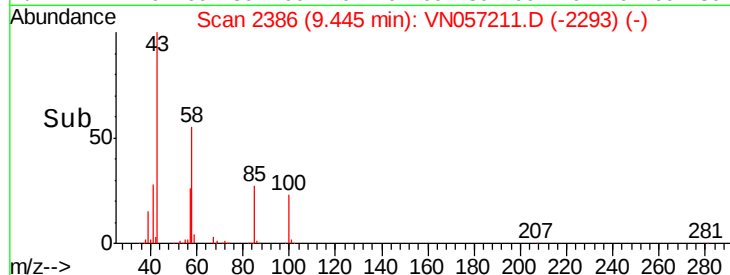
9.45

1000000

500000

0

Time-->



#52

Toluene

Concen: 52.501 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057211.D

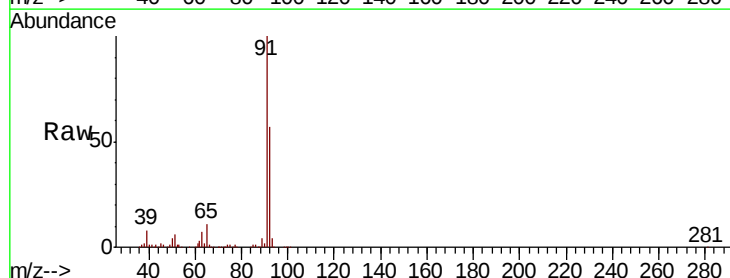
Acq: 12 Aug 2019 13:03

Tgt Ion: 92 Resp: 1191093

Ion Ratio Lower Upper

92 100

91 173.3 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

1200000

1000000

800000

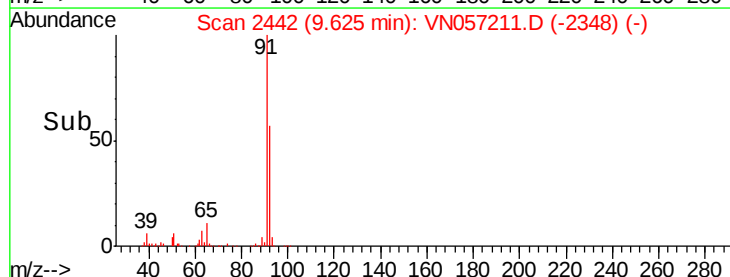
600000

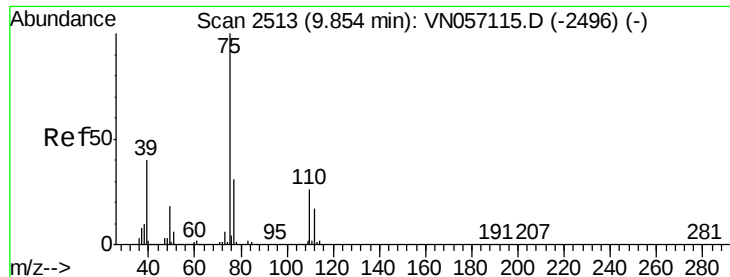
400000

200000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 57.072 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

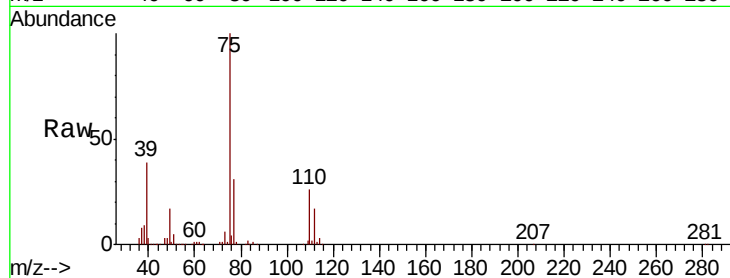
VSTDCCC050

Tgt Ion: 75 Resp: 700036

Ion Ratio Lower Upper

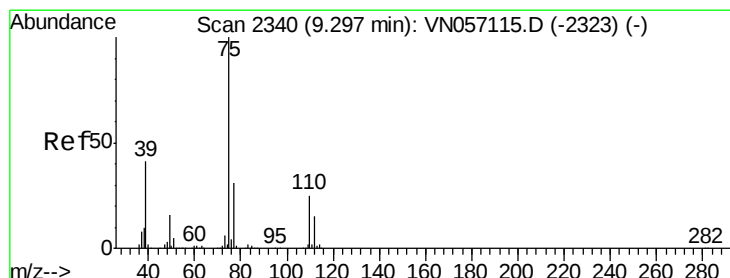
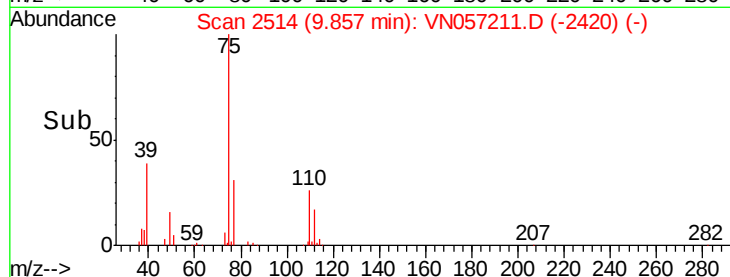
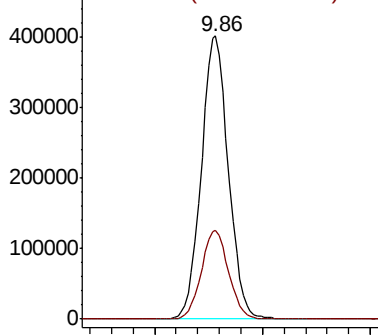
75 100

77 31.4 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 55.133 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

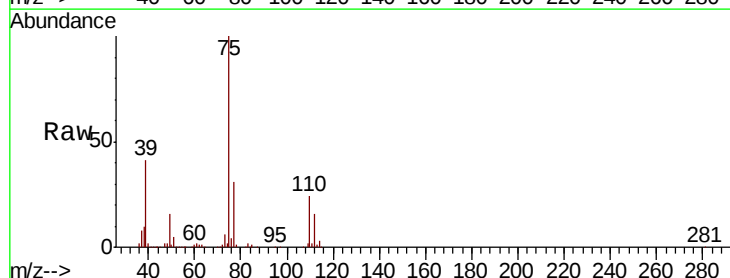
Tgt Ion: 75 Resp: 775977

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

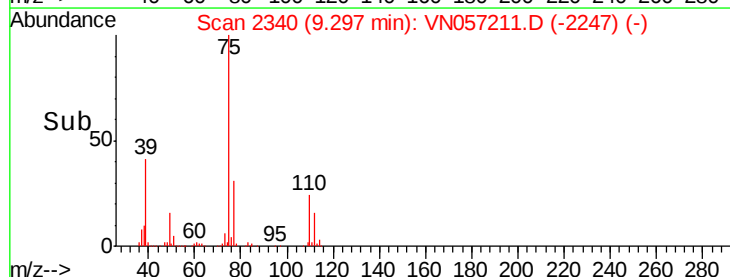
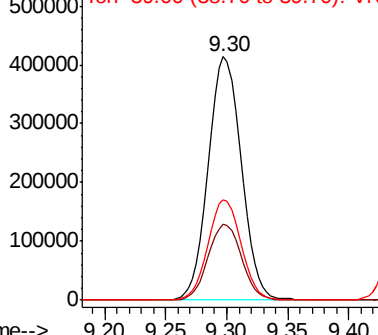
39 41.4 32.5 48.7

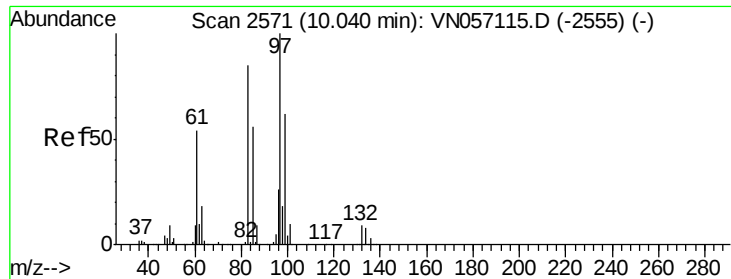


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

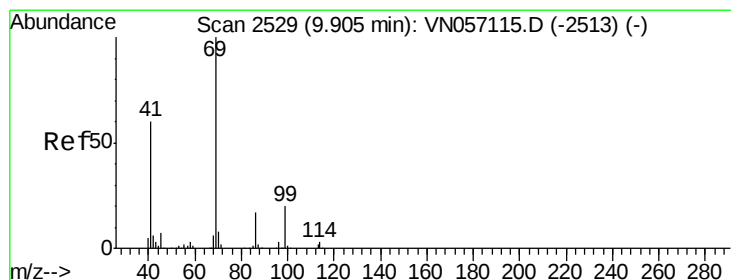
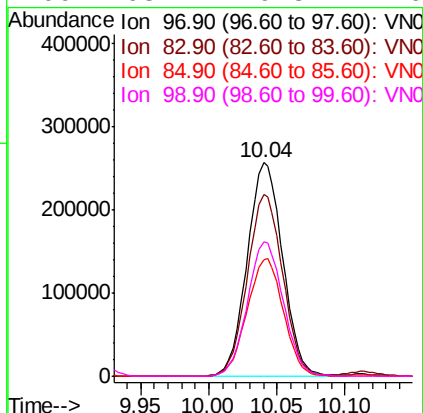
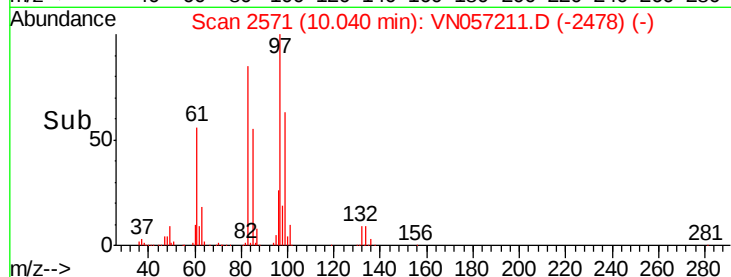
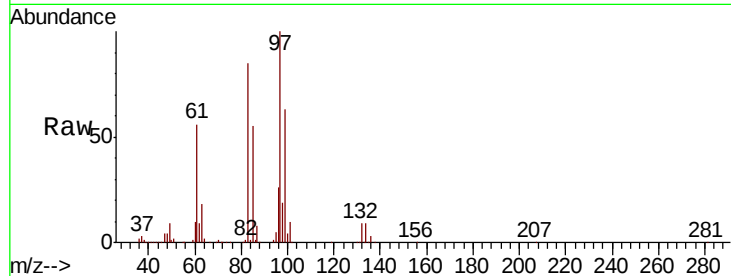




#55
 1,1,2-Trichloroethane
 Concen: 52.131 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

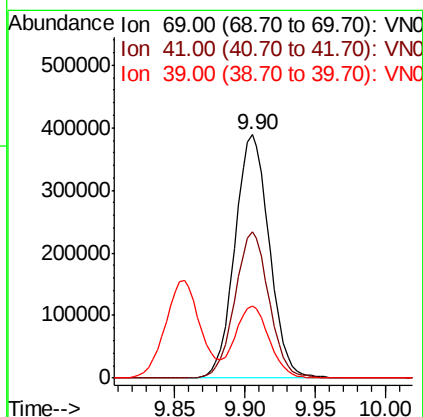
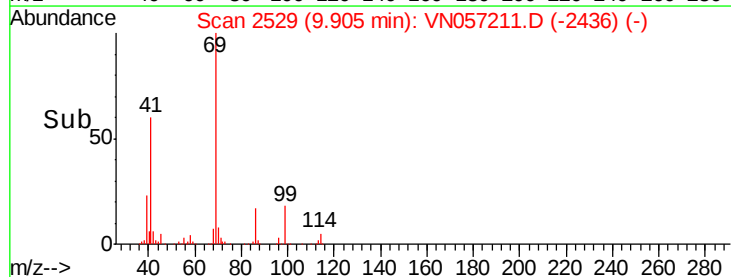
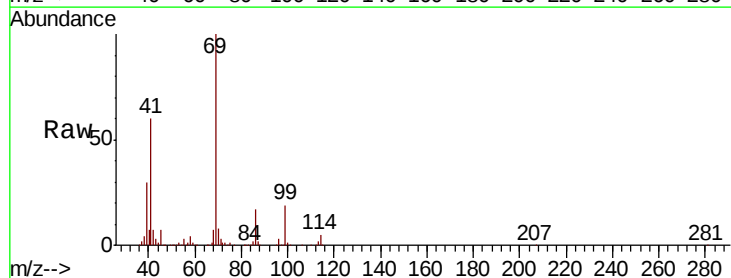
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

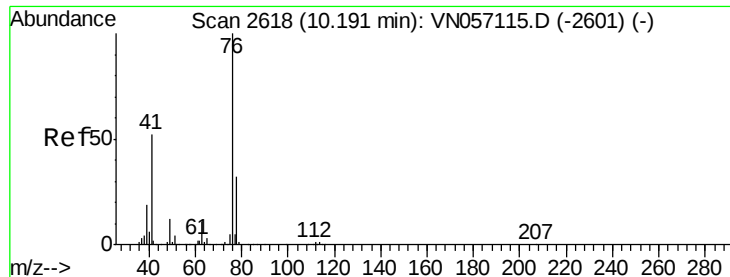
Tgt Ion:	97	Resp:	465091
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.8	101.8
85	54.8	44.4	66.6
99	63.1	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 53.381 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion:	69	Resp:	666813
Ion	Ratio	Lower	Upper
69	100		
41	59.2	48.1	72.1
39	29.4	23.6	35.4

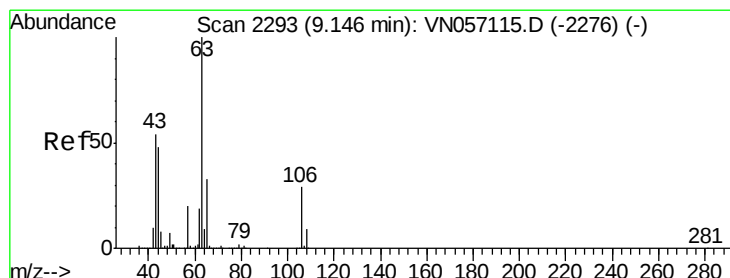
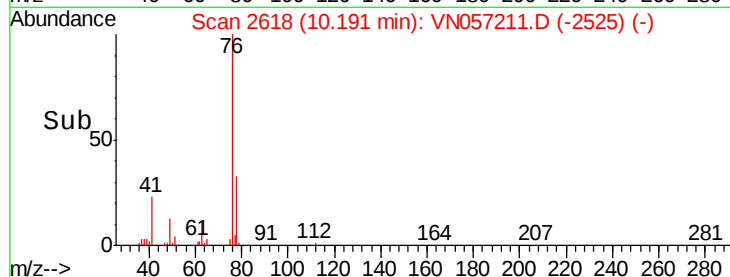
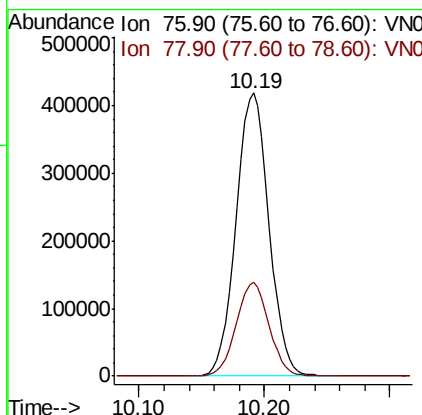
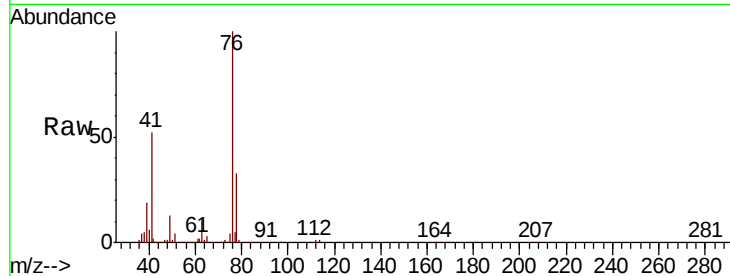




#57
 1,3-Dichloropropane
 Concen: 51.793 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

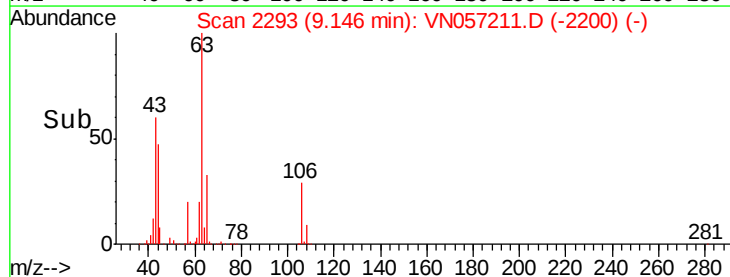
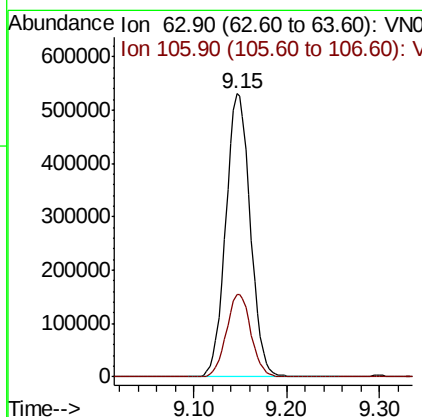
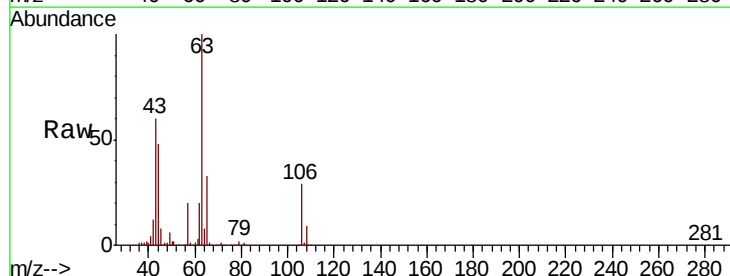
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

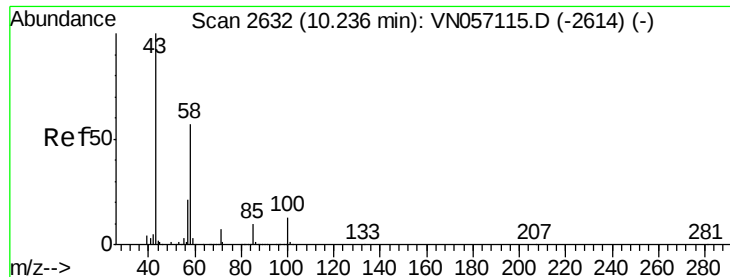
Tgt Ion: 76 Resp: 762005
 Ion Ratio Lower Upper
 76 100
 78 33.0 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 198.257 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 63 Resp: 973236
 Ion Ratio Lower Upper
 63 100
 106 29.2 22.6 33.8

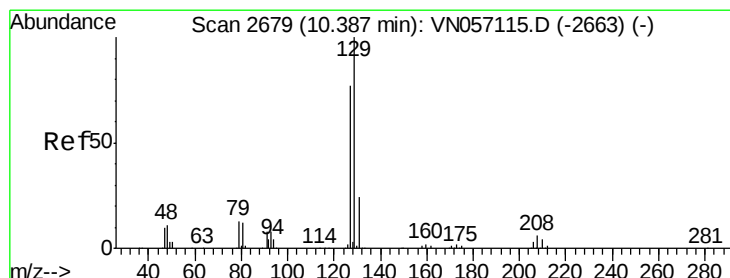
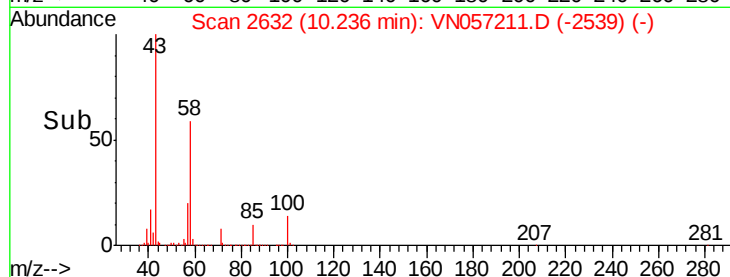
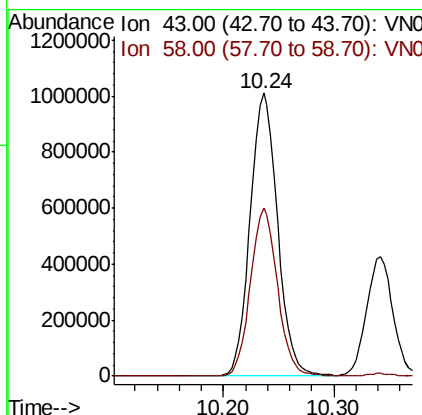
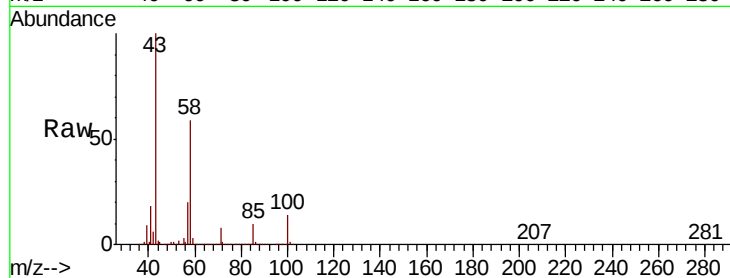




#59
2-Hexanone
Concen: 272.750 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

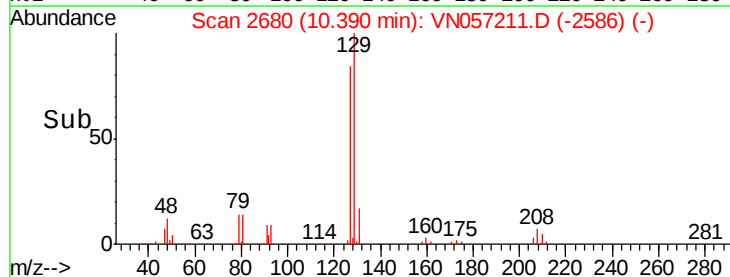
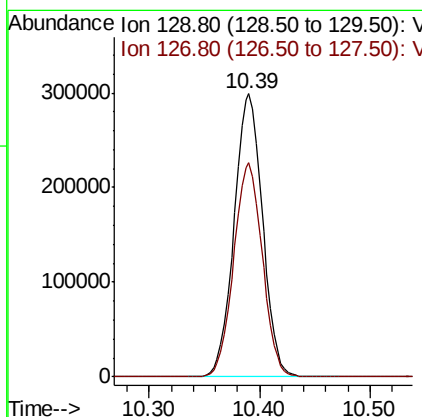
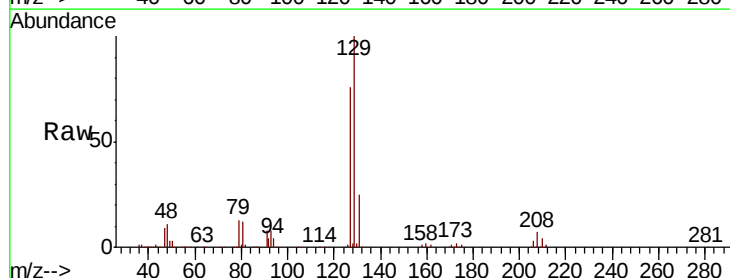
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

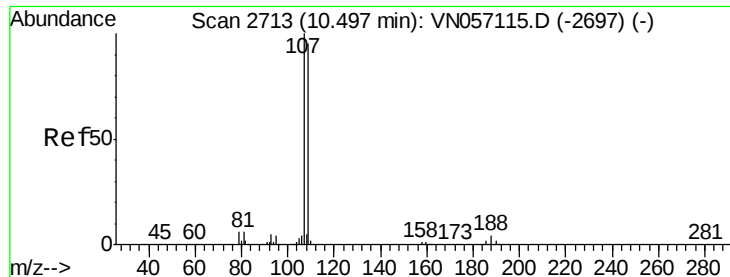
Tgt Ion: 43 Resp: 1744898
Ion Ratio Lower Upper
43 100
58 58.5 29.2 87.6



#60
Dibromochloromethane
Concen: 56.855 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion: 129 Resp: 532719
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0

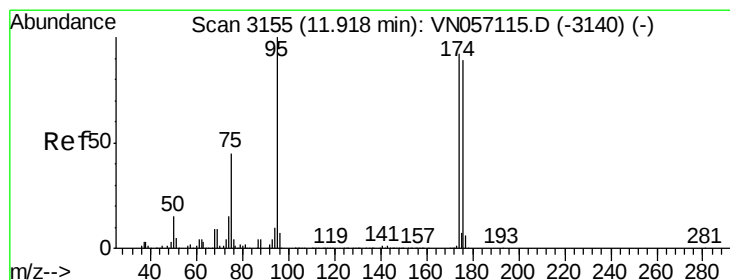
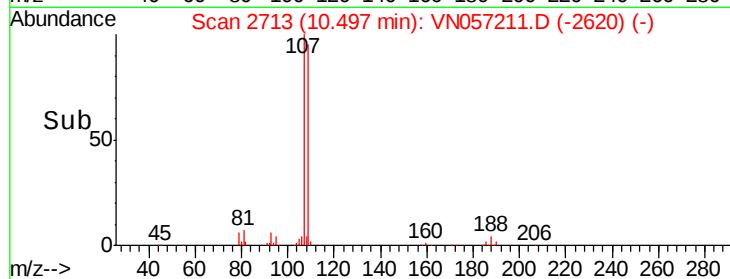
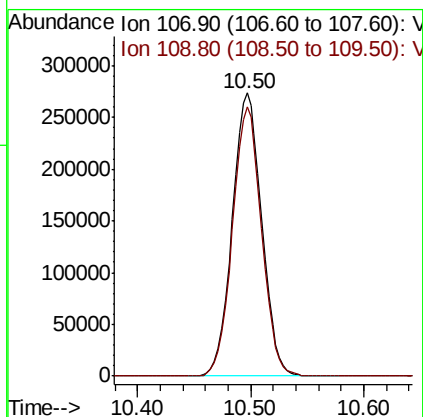
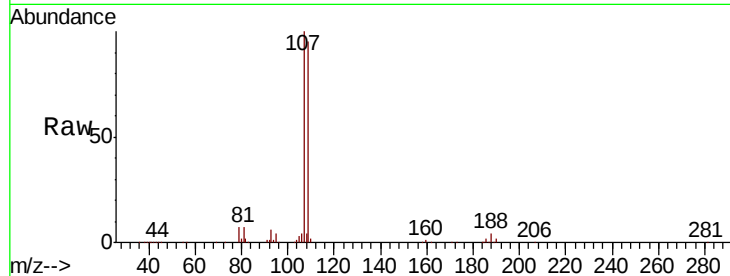




#61
 1,2-Dibromoethane
 Concen: 53.733 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

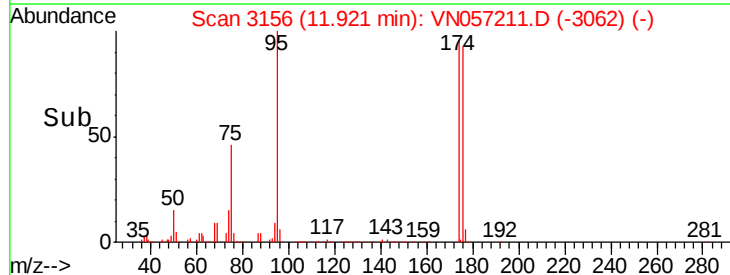
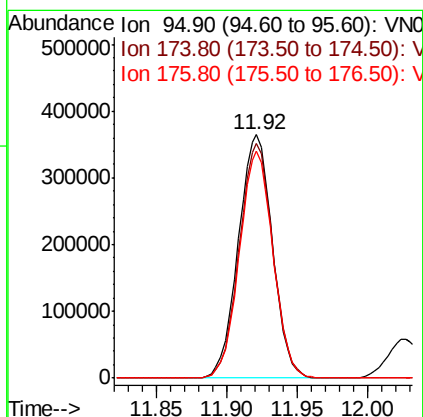
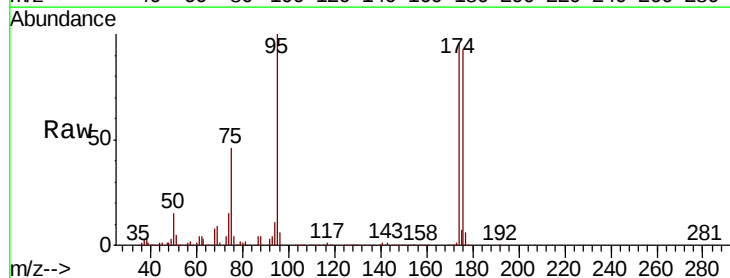
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

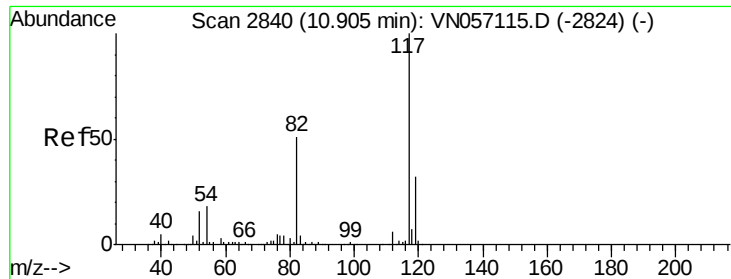
Tgt Ion: 107 Resp: 494673
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 56.768 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion: 95 Resp: 615765
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 185.0
 176 92.1 0.0 181.2

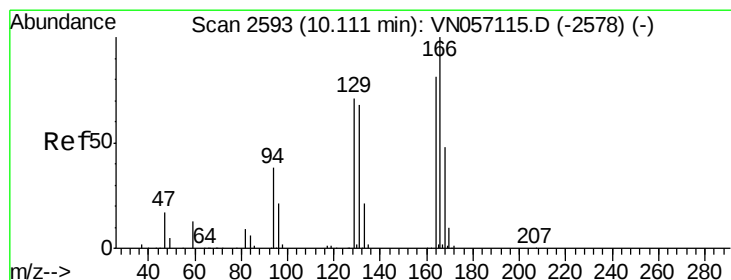
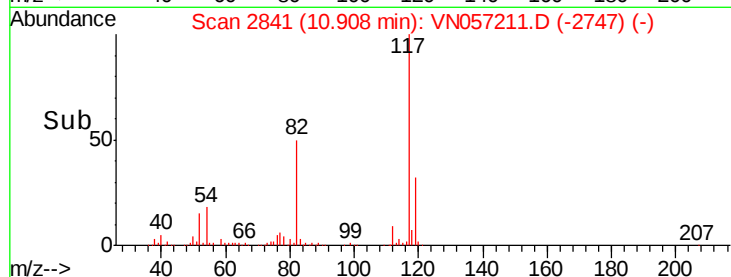
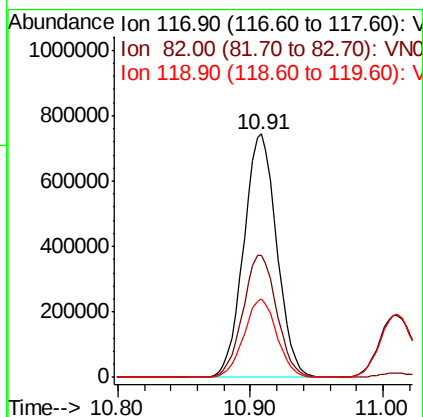
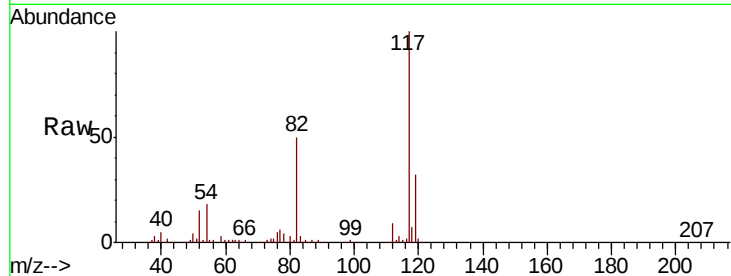




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

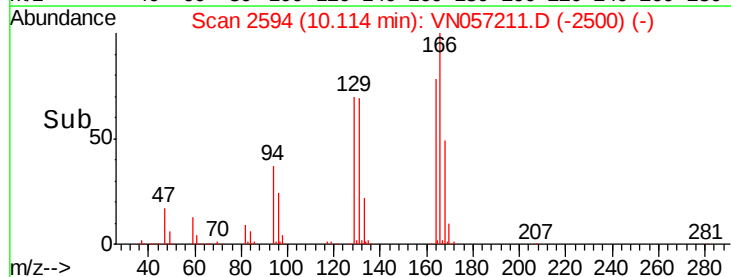
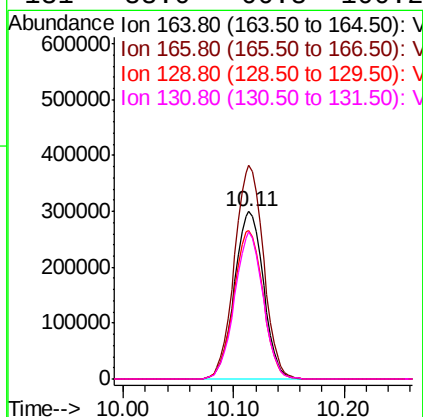
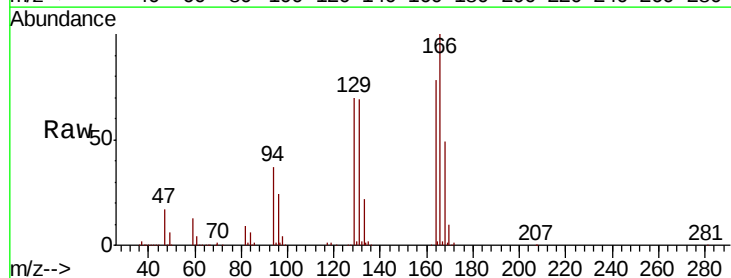
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

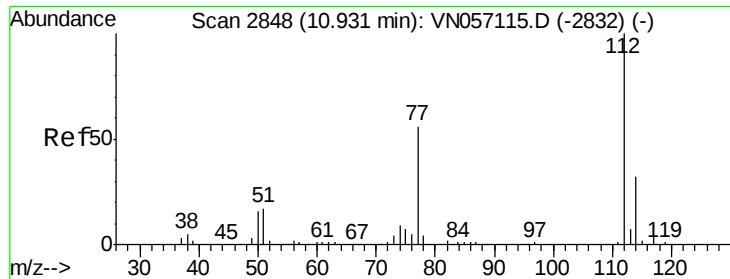
Tgt Ion:117 Resp: 1284642
Ion Ratio Lower Upper
117 100
82 50.2 40.8 61.2
119 32.1 25.7 38.5



#64
Tetrachloroethene
Concen: 51.200 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion:164 Resp: 547007
Ion Ratio Lower Upper
164 100
166 127.8 98.3 147.5
129 89.1 69.8 104.6
131 88.0 66.8 100.2

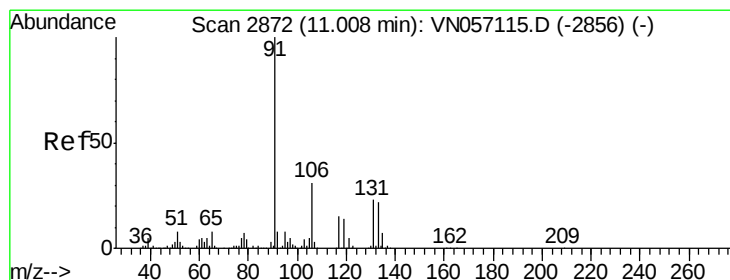
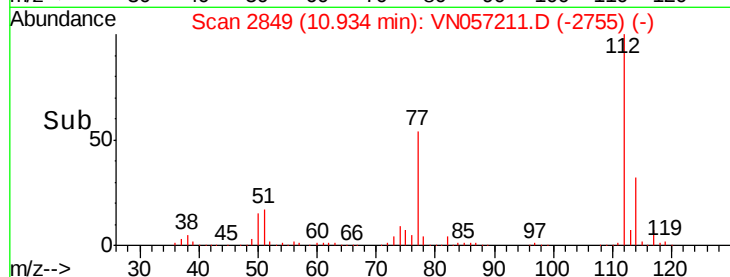
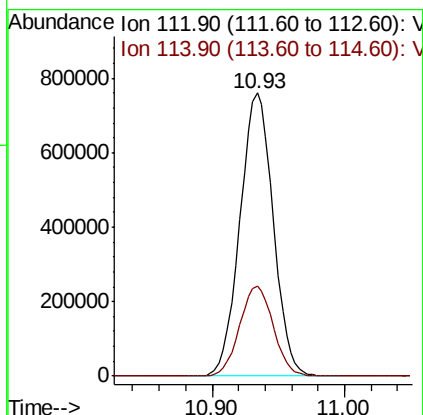
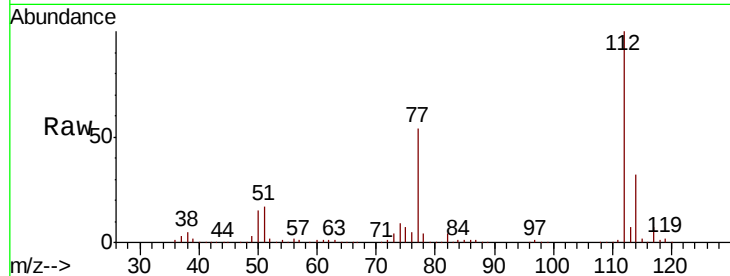




#65
Chlorobenzene
Concen: 51.133 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

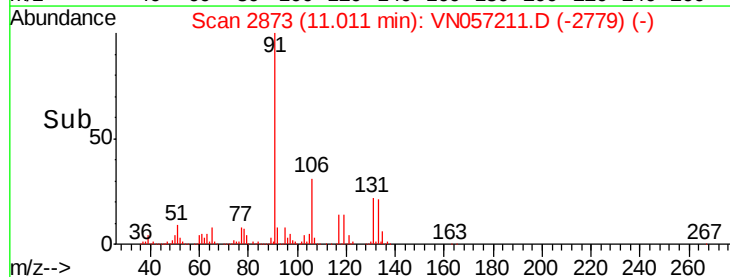
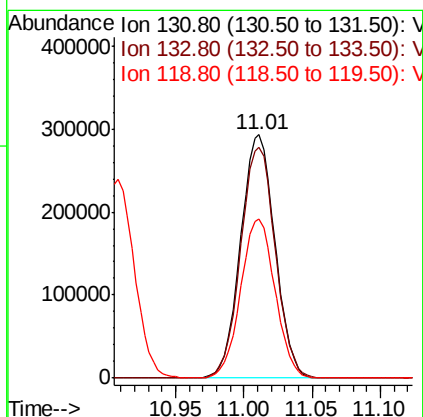
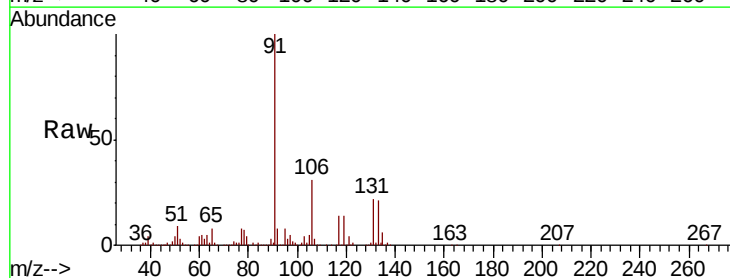
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

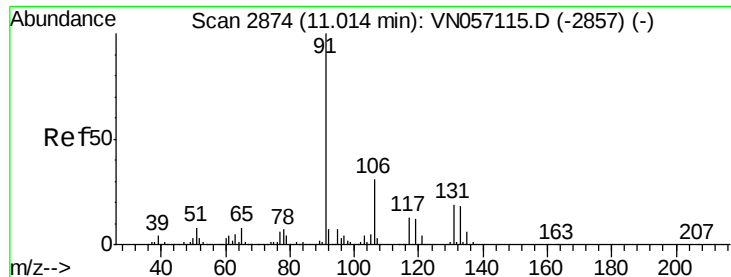
Tgt Ion:112 Resp: 1321689
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 52.970 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion:131 Resp: 511873
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.8
119 65.5 32.6 97.7





#67

Ethyl Benzene

Concen: 51.880 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

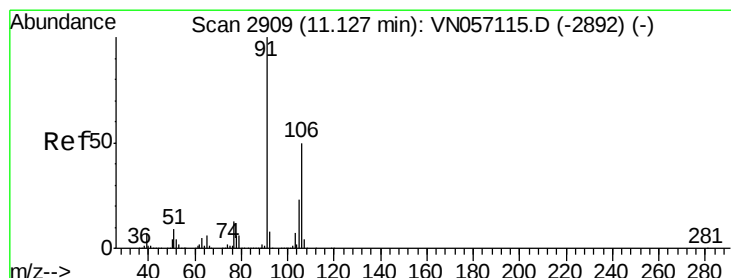
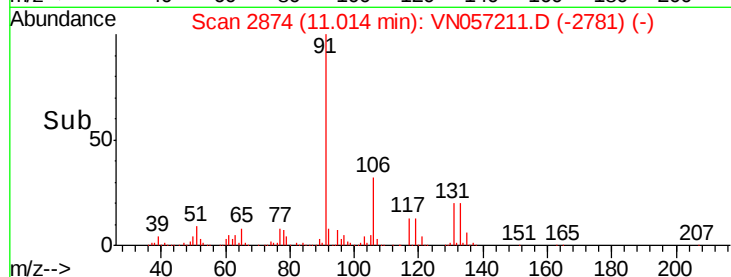
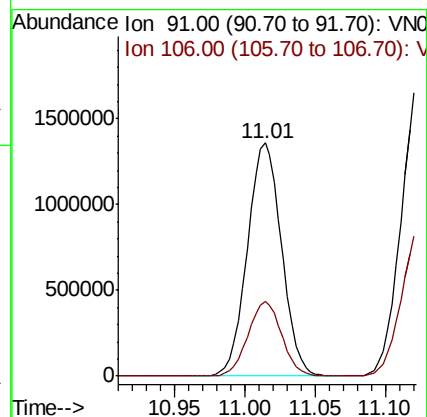
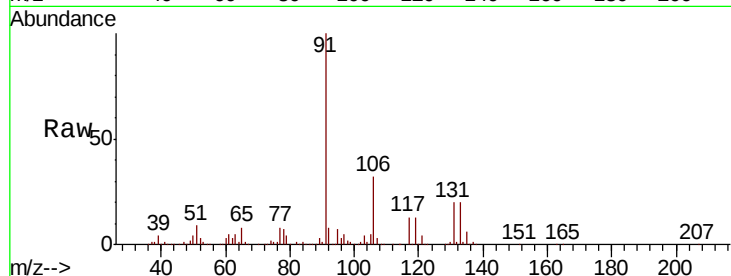
VSTDCCC050

Tgt Ion: 91 Resp: 2307989

Ion Ratio Lower Upper

91 100

106 31.9 25.0 37.4



#68

m/p-Xylenes

Concen: 106.554 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057211.D

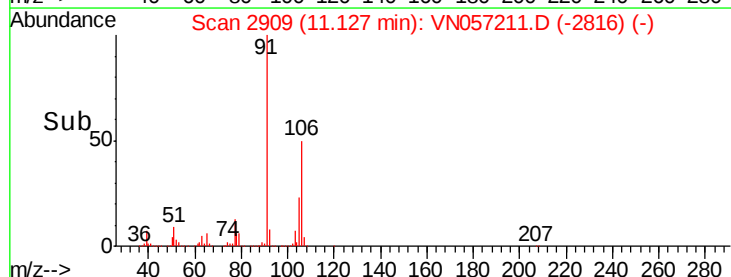
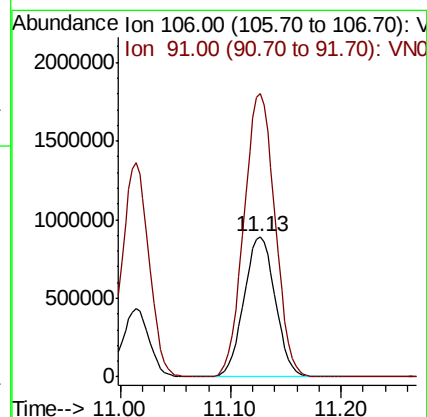
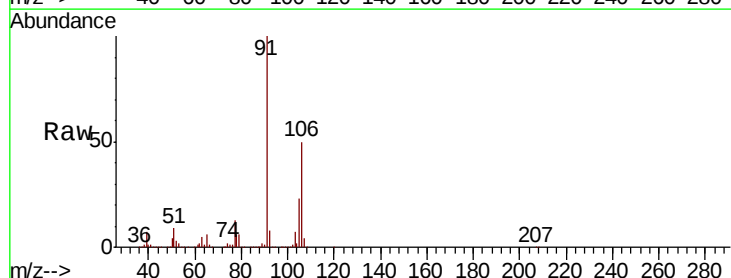
Acq: 12 Aug 2019 13:03

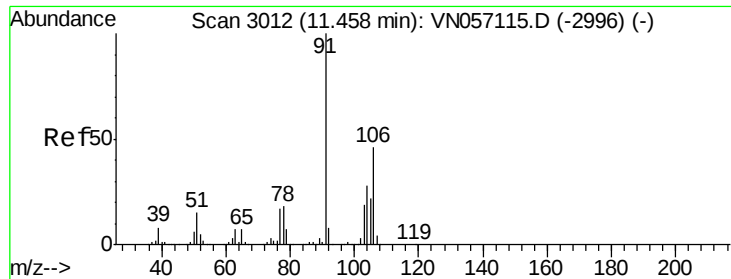
Tgt Ion: 106 Resp: 1746336

Ion Ratio Lower Upper

106 100

91 200.7 159.8 239.8

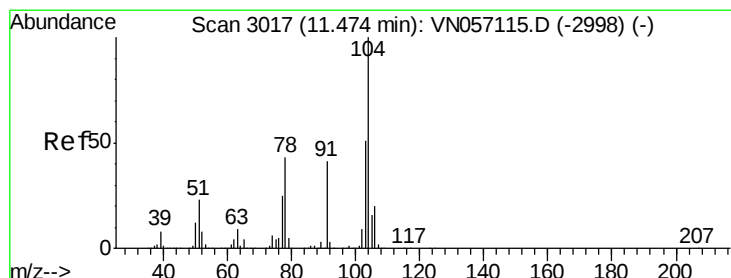
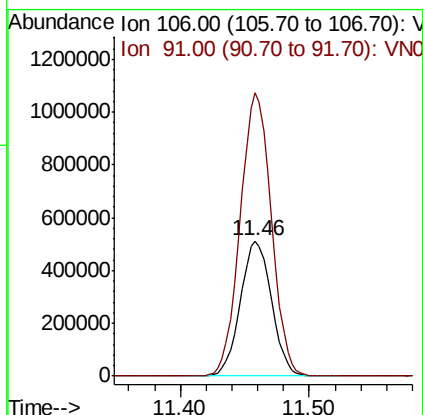
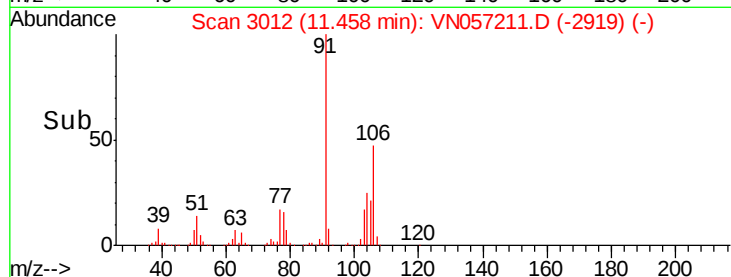
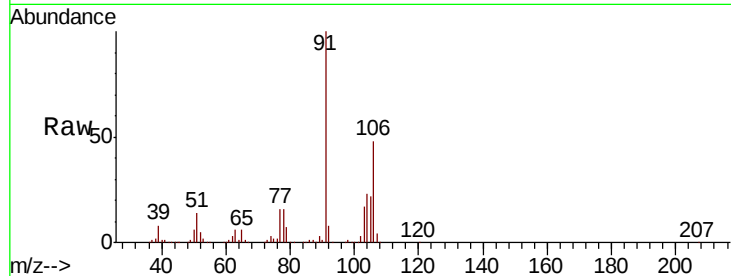




#69
o-Xylene
Concen: 52.657 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

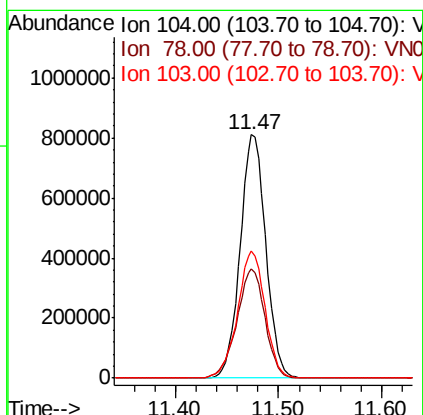
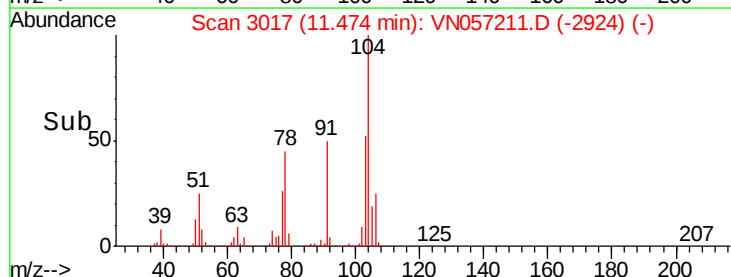
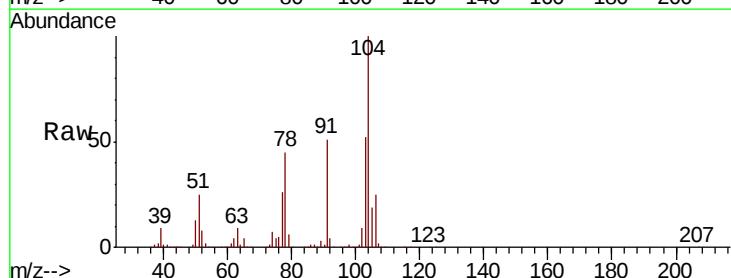
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

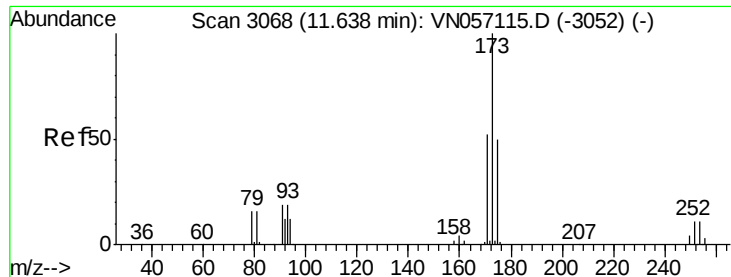
Tgt Ion:106 Resp: 858902
Ion Ratio Lower Upper
106 100
91 209.8 106.8 320.5



#70
Styrene
Concen: 55.083 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. -0.00 min
Lab File: VN057211.D
Acq: 12 Aug 2019 13:03

Tgt Ion:104 Resp: 1403366
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 55.8 44.6 66.8





#71

Bromoform

Concen: 56.276 ug/l

RT: 11.64 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

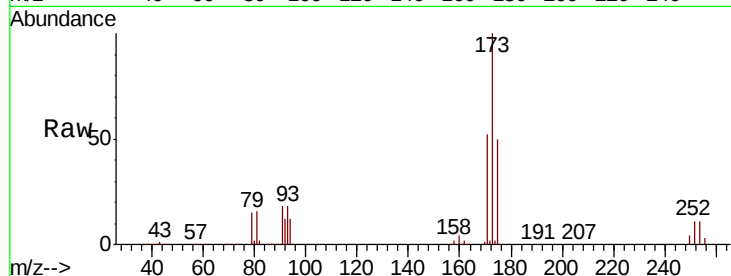
Tgt Ion:173 Resp: 398363

Ion Ratio Lower Upper

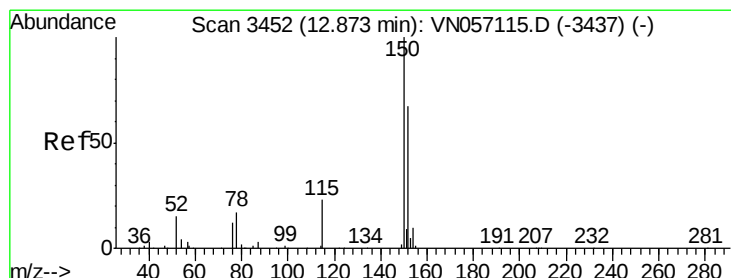
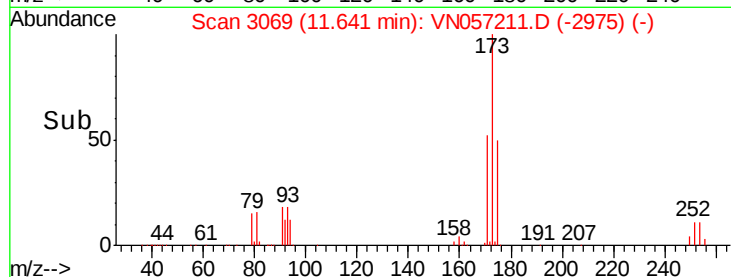
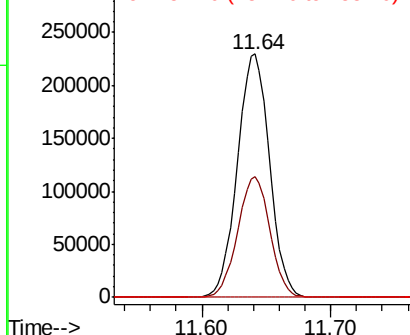
173 100

175 49.6 24.6 73.8

254 0.1 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: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

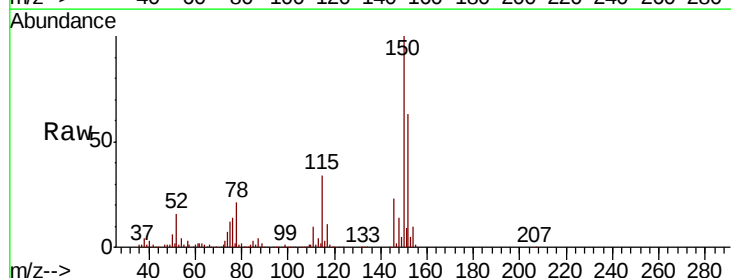
Tgt Ion:152 Resp: 527549

Ion Ratio Lower Upper

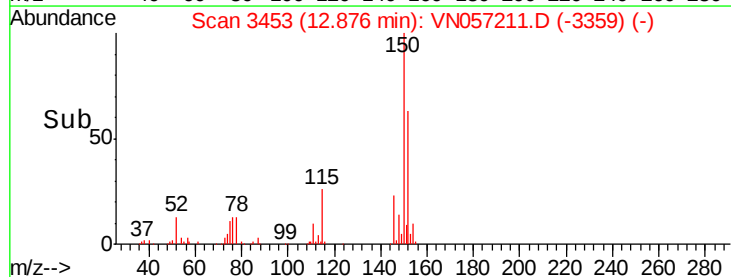
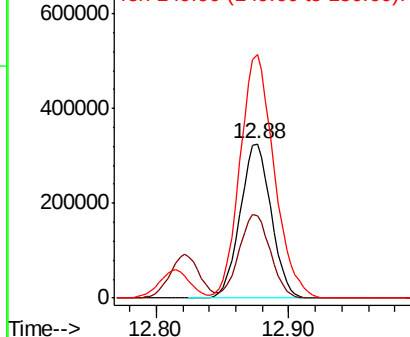
152 100

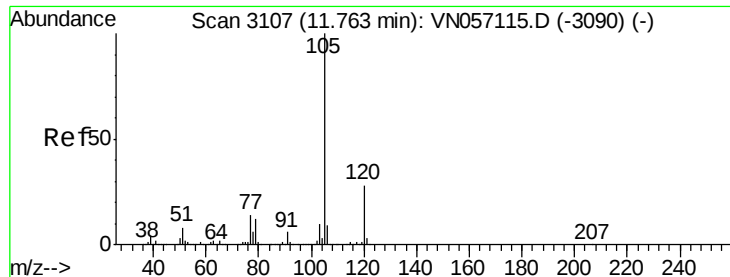
115 54.8 27.5 82.5

150 174.8 0.0 341.6



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: 53.555 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

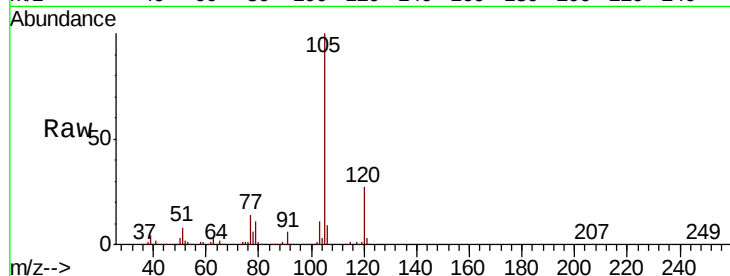
VSTDCCC050

Tgt Ion:105 Resp: 2293080

Ion Ratio Lower Upper

105 100

120 27.1 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.77

1500000

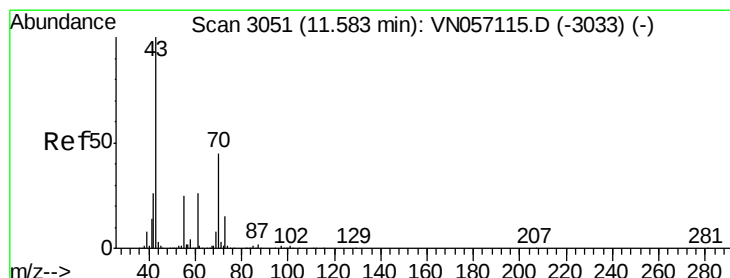
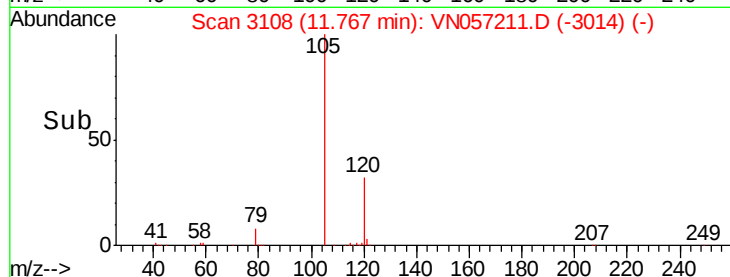
1000000

500000

0

Time-->

11.70 11.75 11.80 11.85



#74

N-ethyl acetate

Concen: 49.386 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Tgt Ion: 43 Resp: 660222

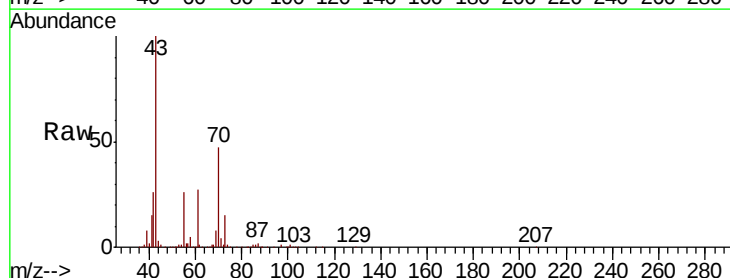
Ion Ratio Lower Upper

43 100

70 46.3 36.8 55.2

55 25.9 20.6 31.0

61 26.3 21.0 31.4



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

600000

500000

400000

300000

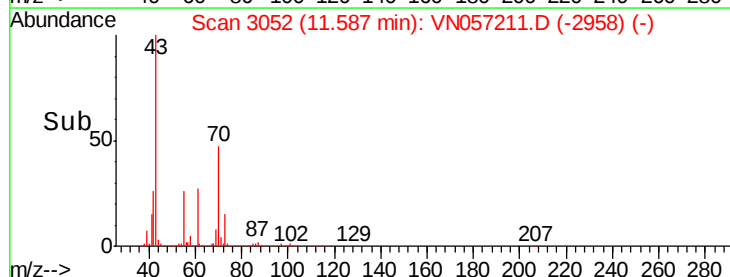
200000

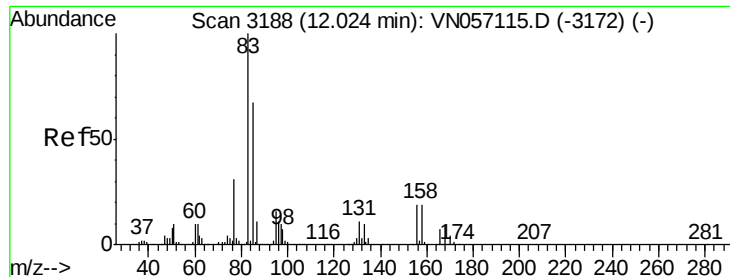
100000

0

Time-->

11.50 11.60 11.70





#75

1,1,2,2-Tetrachloroethane

Concen: 54.704 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

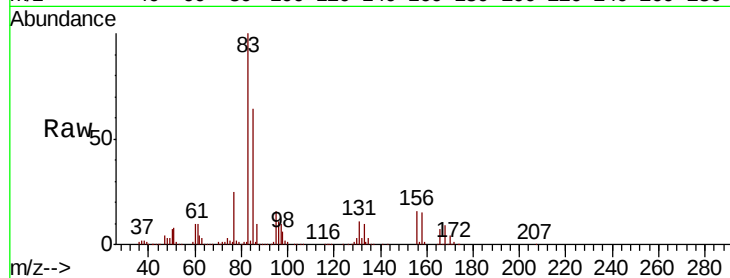
Tgt Ion: 83 Resp: 624769

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

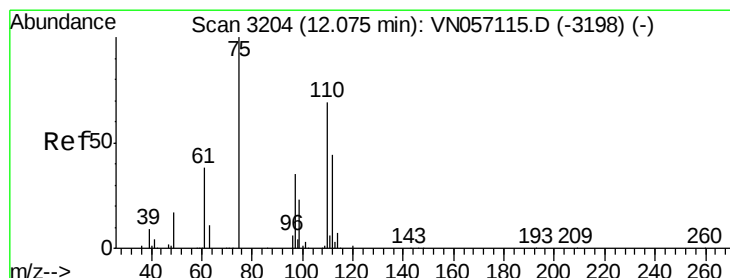
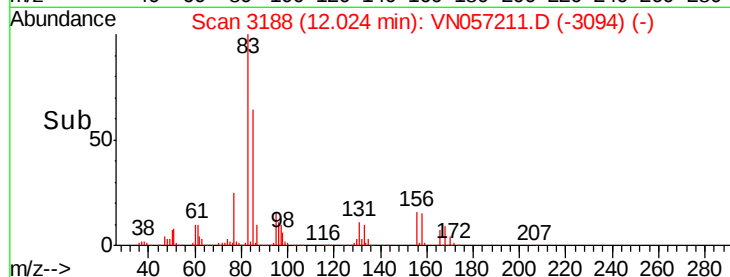
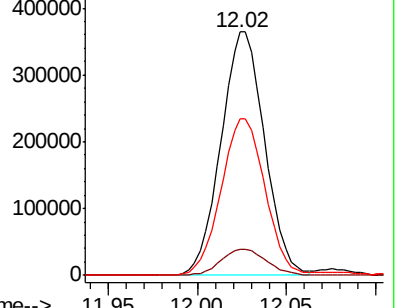
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN057211.D (-3172) (-)

Ion 130.80 (130.50 to 131.50): VN057211.D (-3172) (-)

Ion 84.90 (84.60 to 85.60): VN057211.D (-3172) (-)



#76

1,2,3-Trichloropropane

Concen: 76.467 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057211.D

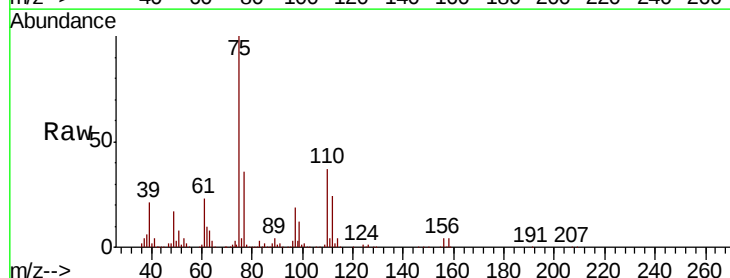
Acq: 12 Aug 2019 13:03

Tgt Ion: 75 Resp: 771155

Ion Ratio Lower Upper

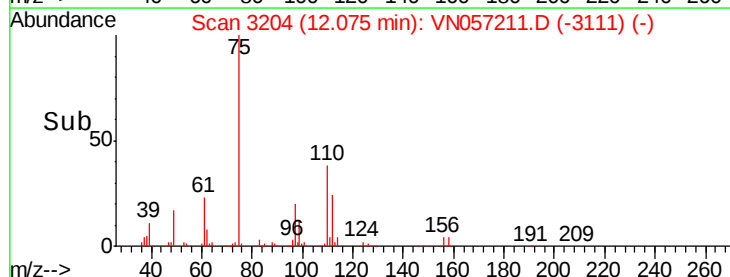
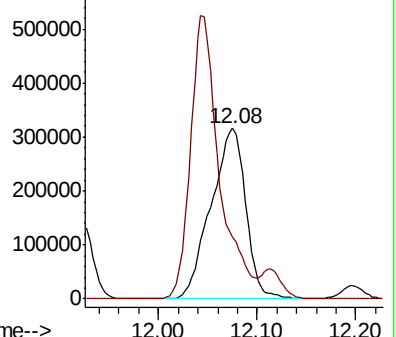
75 100

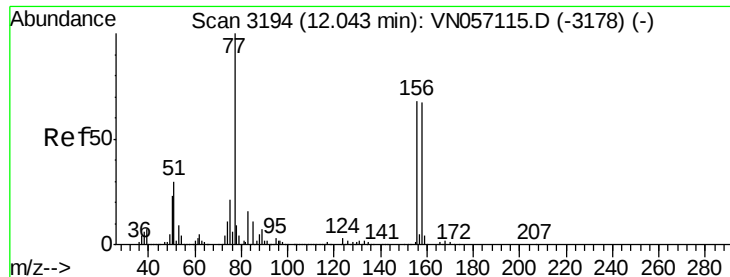
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057211.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057211.D (-3198) (-)





#77

Bromobenzene

Concen: 48.263 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

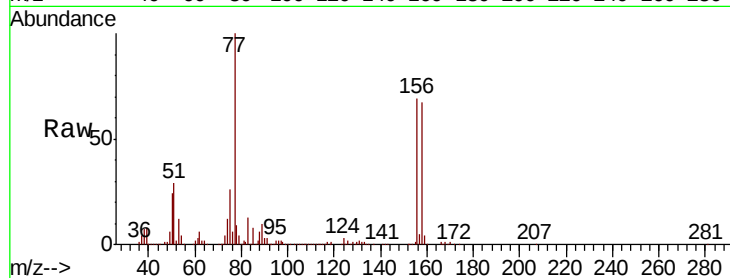
Tgt Ion:156 Resp: 611988

Ion Ratio Lower Upper

156 100

77 175.2 88.7 266.1

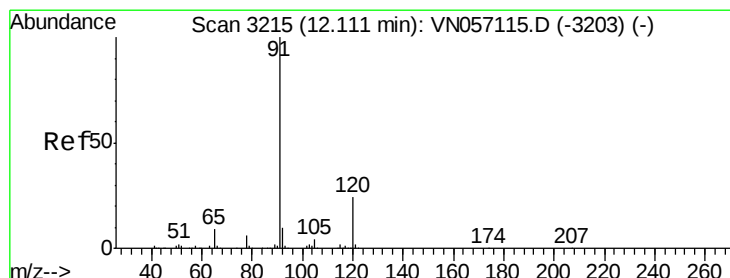
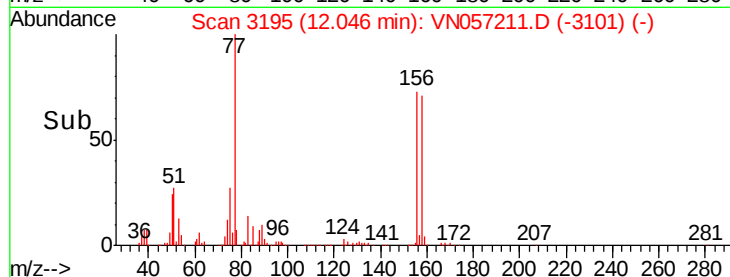
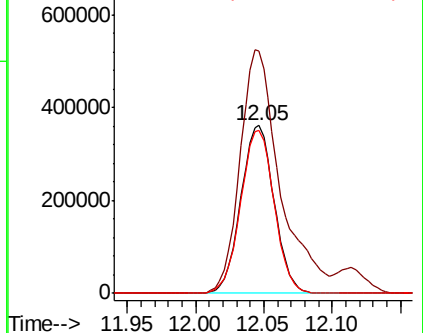
158 98.0 49.3 147.8



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: 48.198 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057211.D

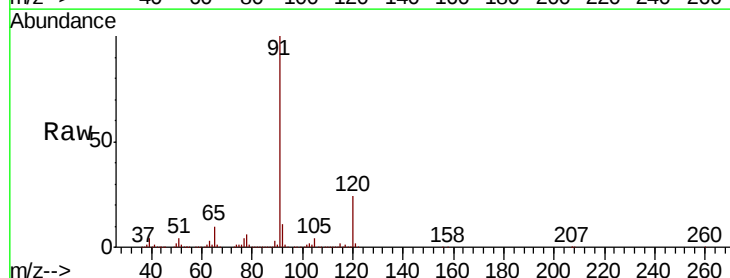
Acq: 12 Aug 2019 13:03

Tgt Ion: 91 Resp: 2439337

Ion Ratio Lower Upper

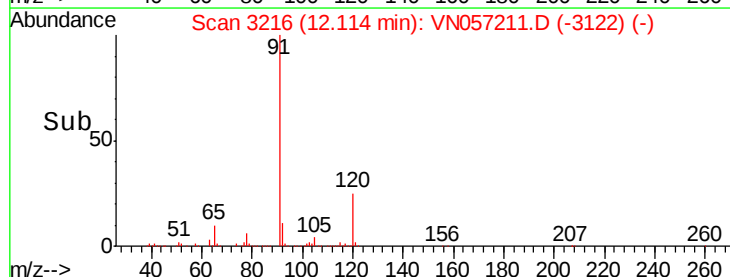
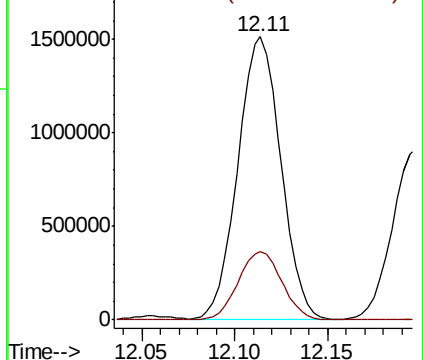
91 100

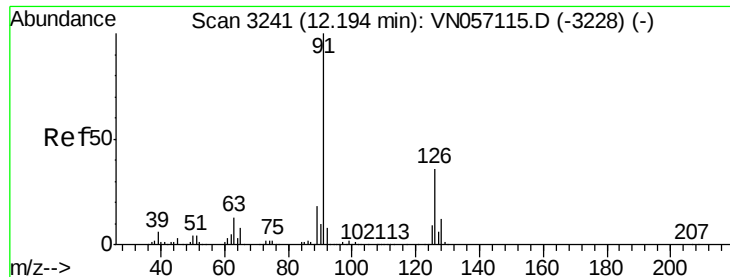
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.792 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

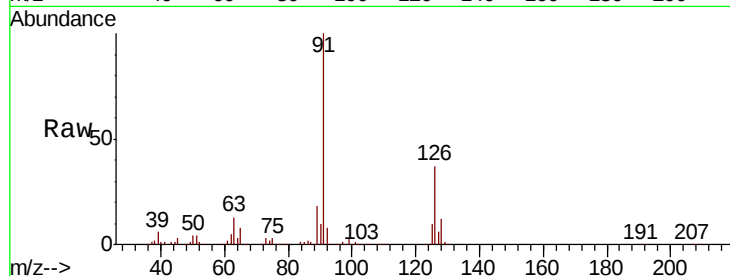
VSTDCCC050

Tgt Ion: 91 Resp: 1485623

Ion Ratio Lower Upper

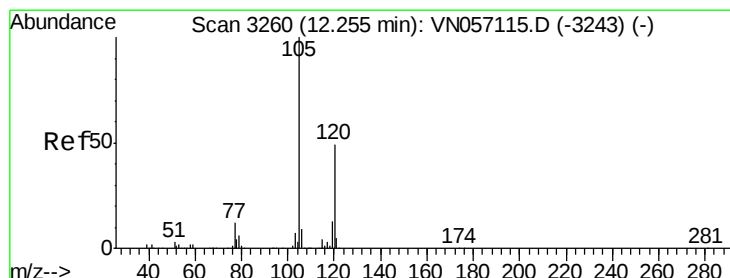
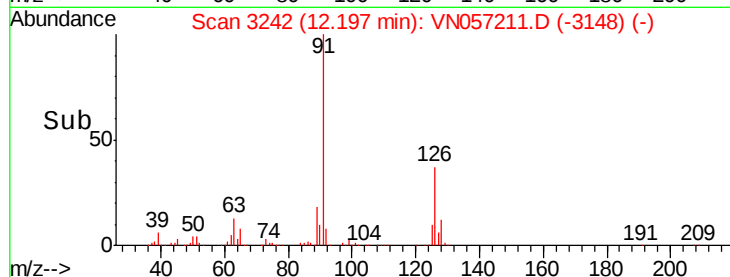
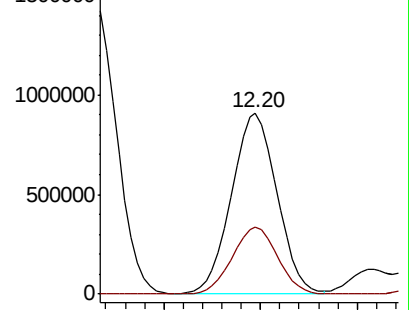
91 100

126 37.1 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3228) (-)

Ion 125.90 (125.60 to 126.60): VN057115.D (-3228) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.763 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057211.D

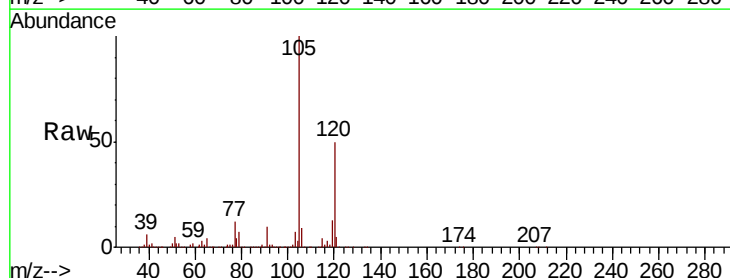
Acq: 12 Aug 2019 13:03

Tgt Ion: 105 Resp: 1945303

Ion Ratio Lower Upper

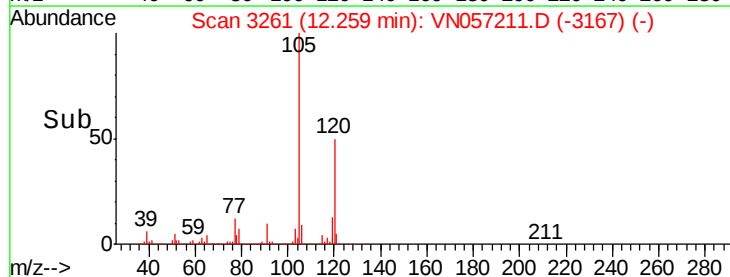
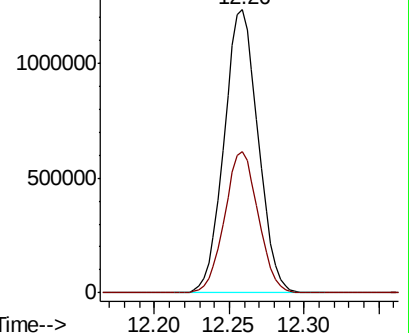
105 100

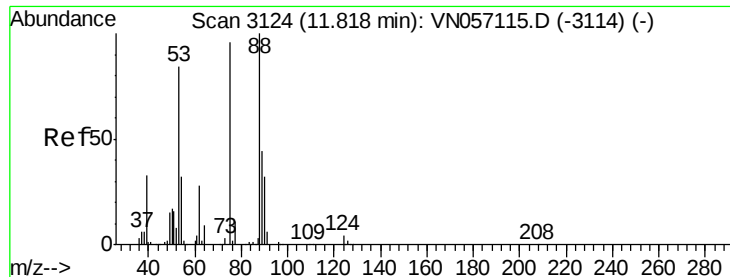
120 49.5 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN057115.D (-3243) (-)

Ion 120.00 (119.70 to 120.70): VN057115.D (-3243) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.050 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

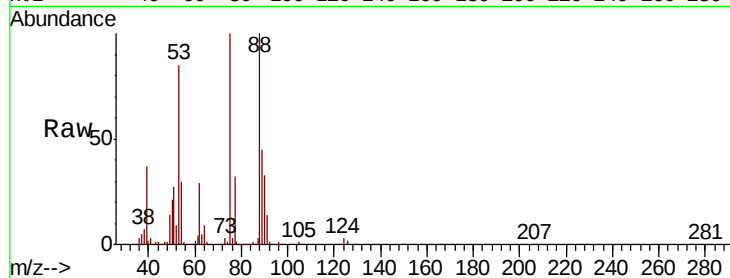
Tgt Ion: 75 Resp: 197514

Ion Ratio Lower Upper

75 100

53 84.9 70.6 106.0

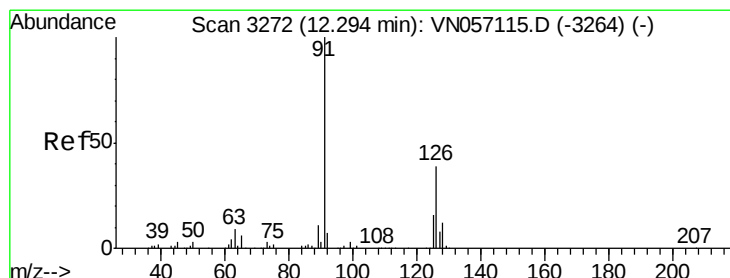
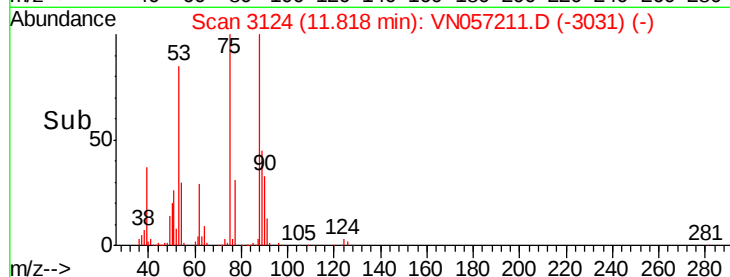
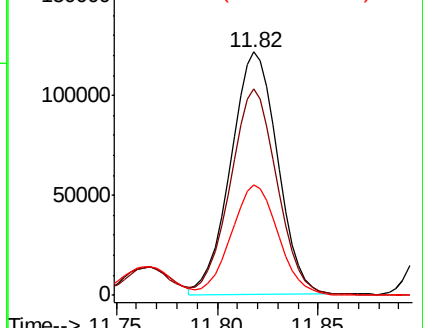
89 45.9 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 48.911 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057211.D

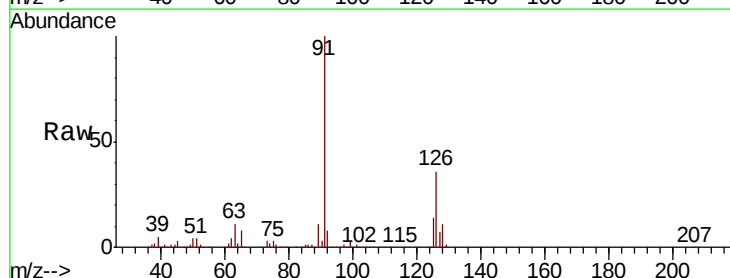
Acq: 12 Aug 2019 13:03

Tgt Ion: 91 Resp: 1433300

Ion Ratio Lower Upper

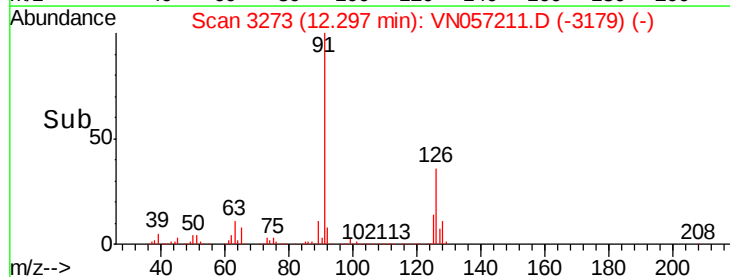
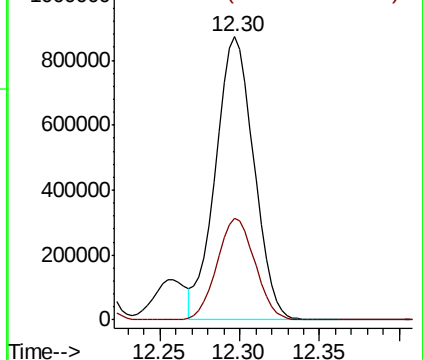
91 100

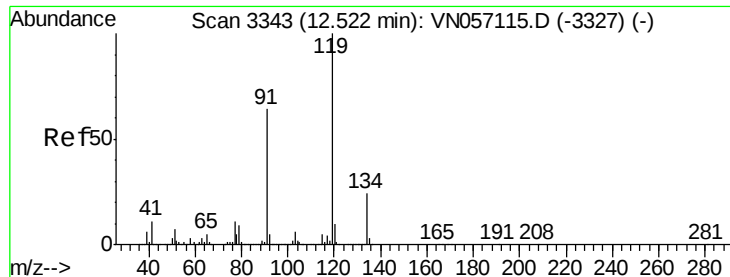
126 35.6 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

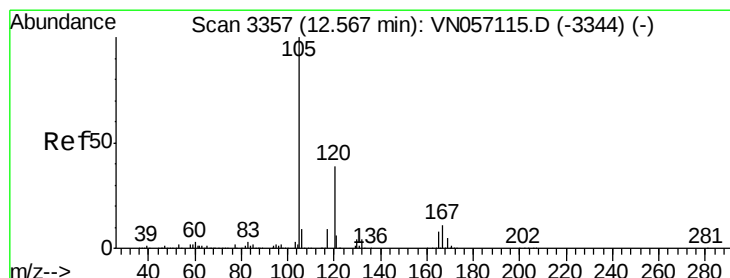
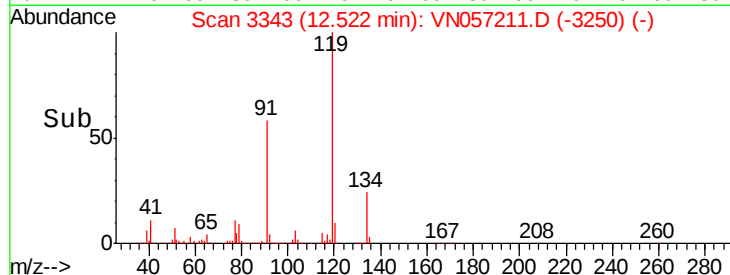
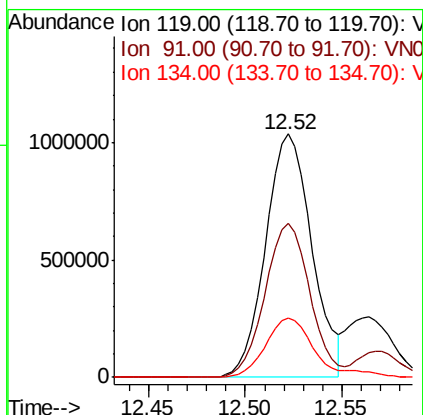
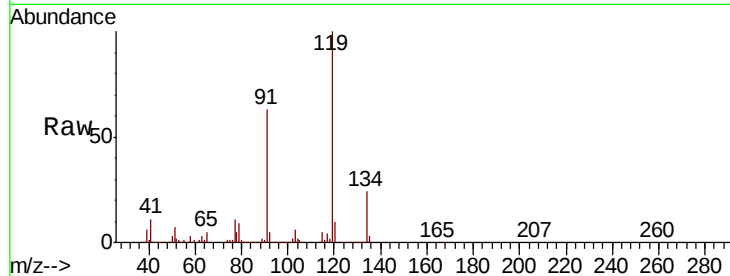




#83
 tert-Butylbenzene
 Concen: 53.983 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

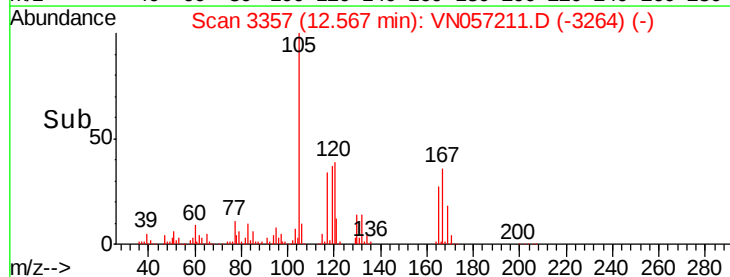
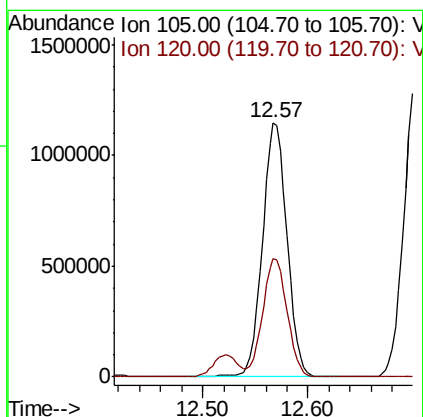
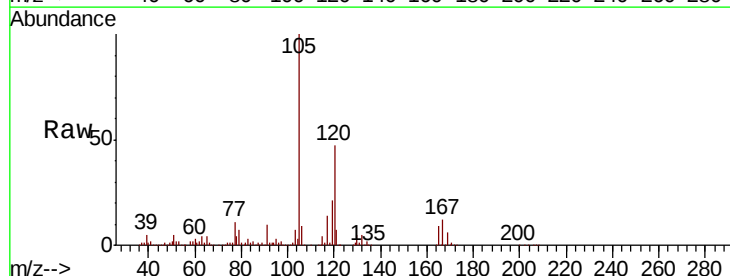
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

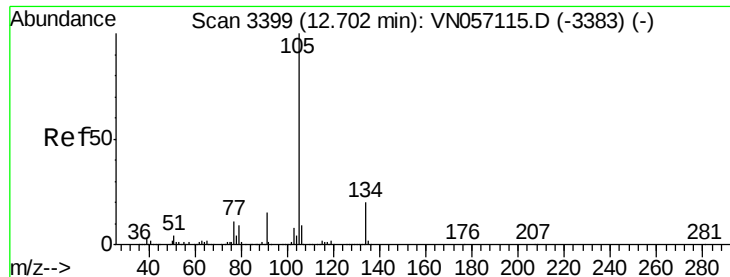
Tgt Ion:119 Resp: 1727852
 Ion Ratio Lower Upper
 119 100
 91 61.4 31.4 94.2
 134 26.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 47.230 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion:105 Resp: 1859302
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.3 69.8

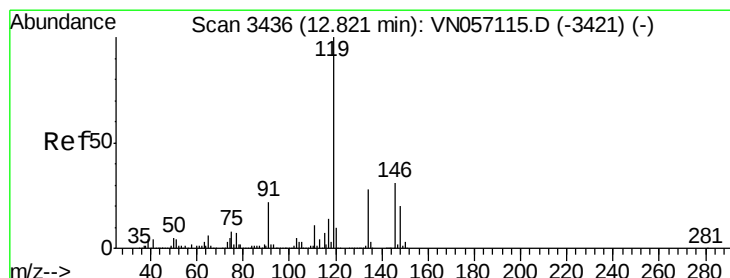
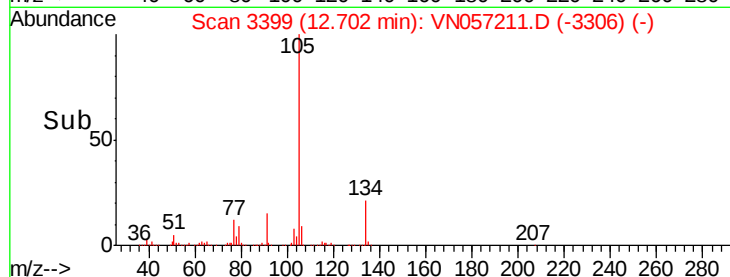
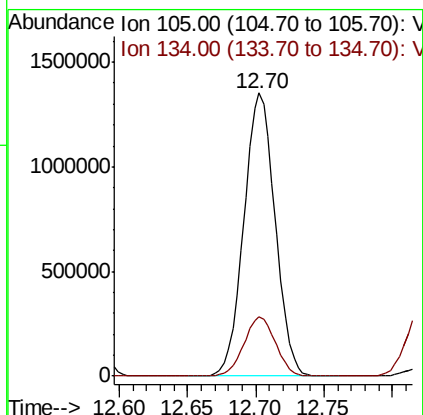
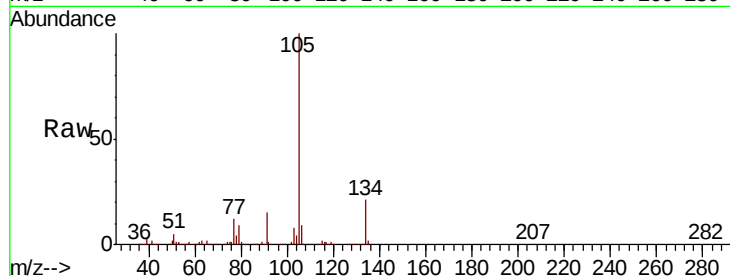




#85
 sec-Butylbenzene
 Concen: 46.547 ug/l
 RT: 12.70 min Scan# 3399
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

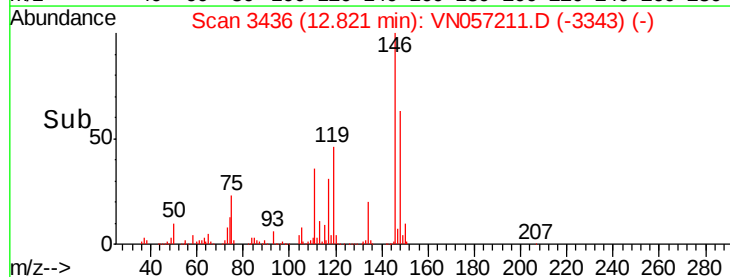
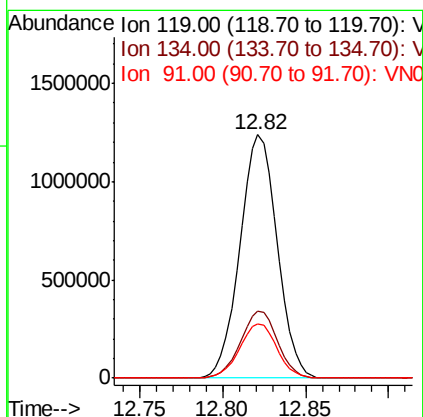
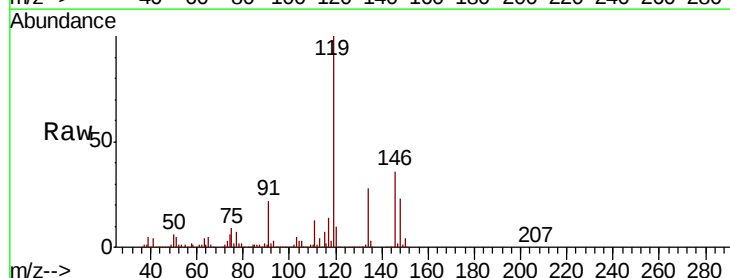
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

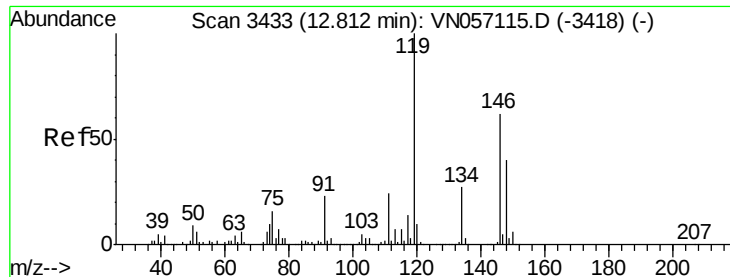
Tgt Ion:105 Resp: 2139434
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 47.835 ug/l
 RT: 12.82 min Scan# 3436
 Delta R.T. -0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion:119 Resp: 1929221
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.8 41.3
 91 22.3 11.0 33.0

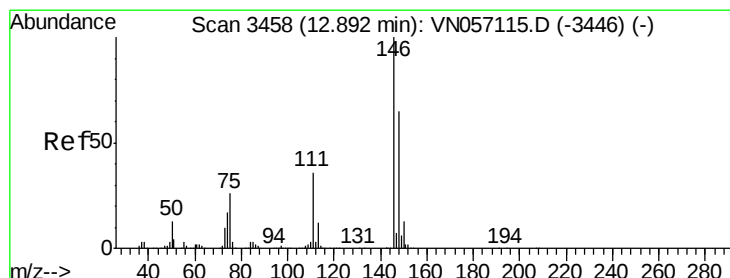
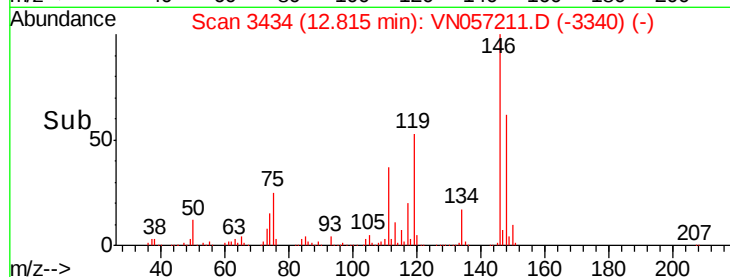
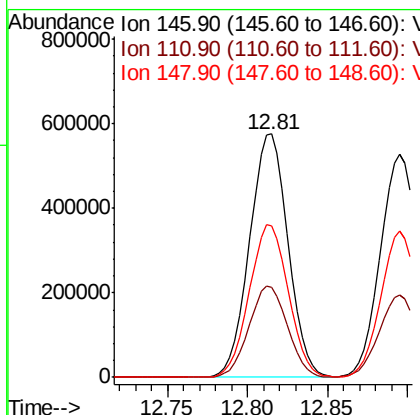
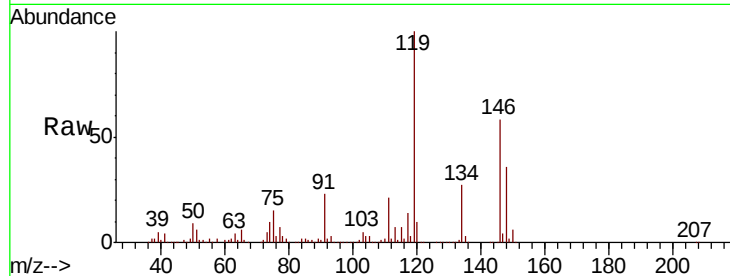




#87
 1,3-Dichlorobenzene
 Concen: 52.599 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

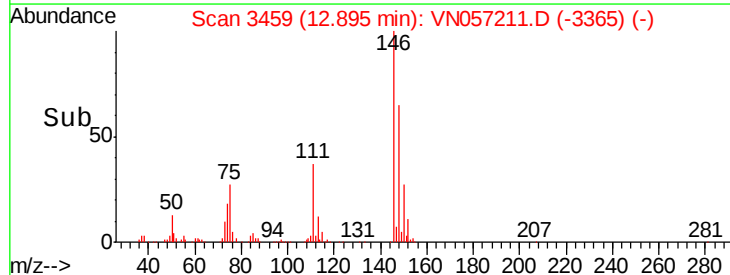
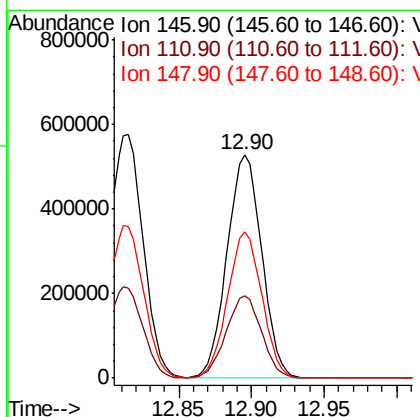
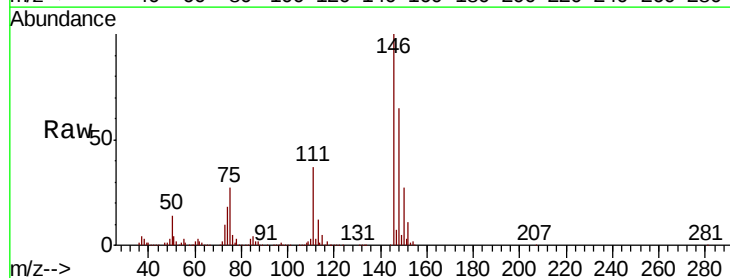
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

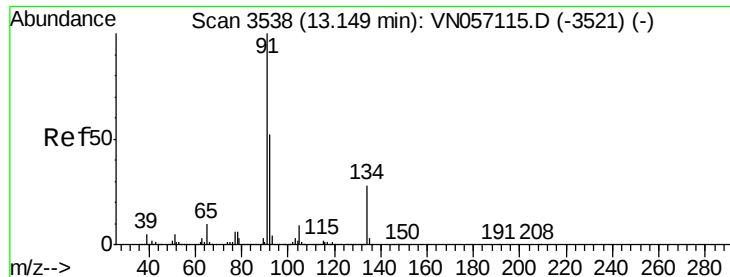
Tgt Ion:146 Resp: 949542
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.8 56.4
 148 63.7 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 51.189 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion:146 Resp: 875556
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.2 54.6
 148 64.7 32.0 96.2





#89

n-Butylbenzene

Concen: 51.397 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

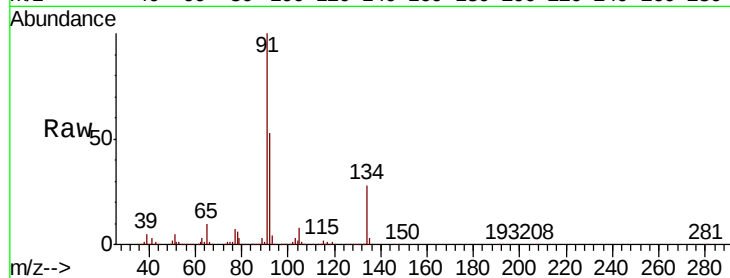
Tgt Ion: 91 Resp: 1432118

Ion Ratio Lower Upper

91 100

92 53.0 26.5 79.4

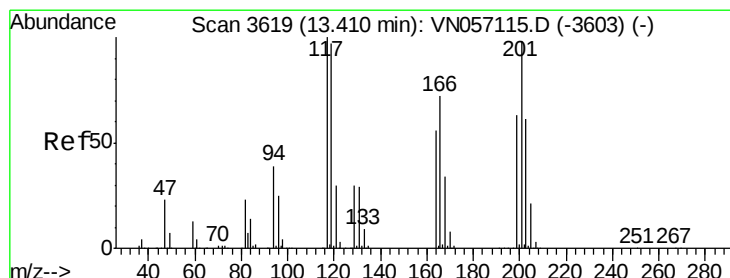
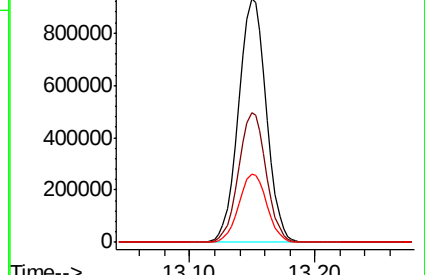
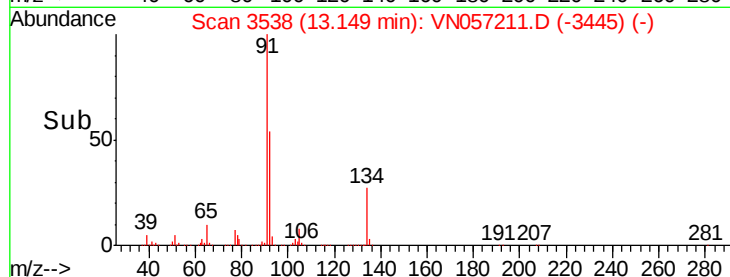
134 28.4 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057211.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057211.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057211.D (-3521) (-)



#90

Hexachloroethane

Concen: 54.572 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057211.D

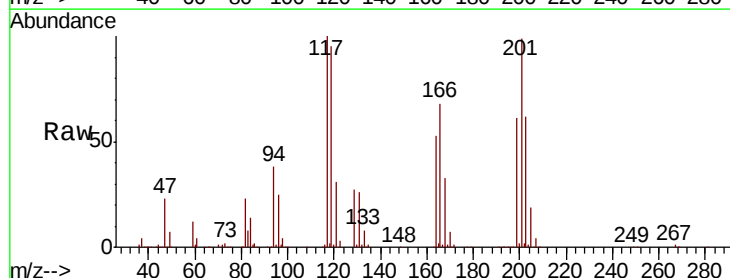
Acq: 12 Aug 2019 13:03

Tgt Ion: 117 Resp: 349302

Ion Ratio Lower Upper

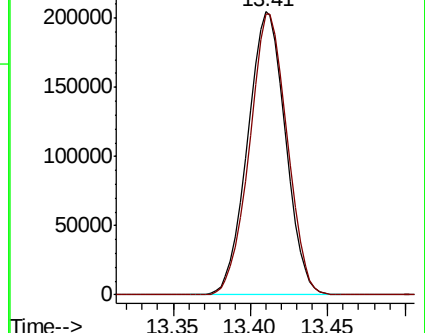
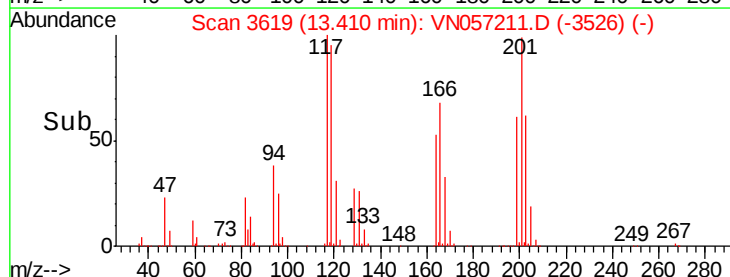
117 100

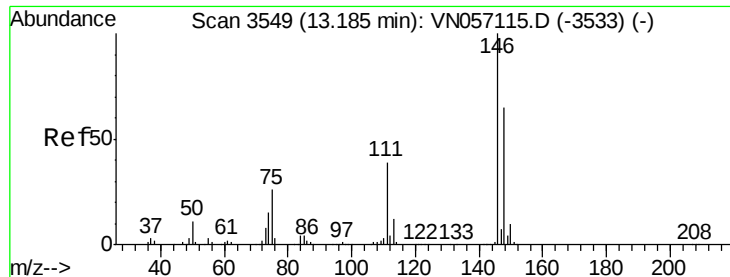
201 98.3 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057211.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057211.D (-3603) (-)





#91

1,2-Dichlorobenzene

Concen: 49.713 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

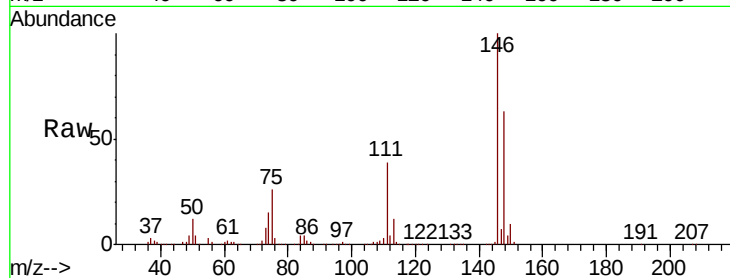
Tgt Ion: 146 Resp: 896180

Ion Ratio Lower Upper

146 100

111 39.1 19.2 57.6

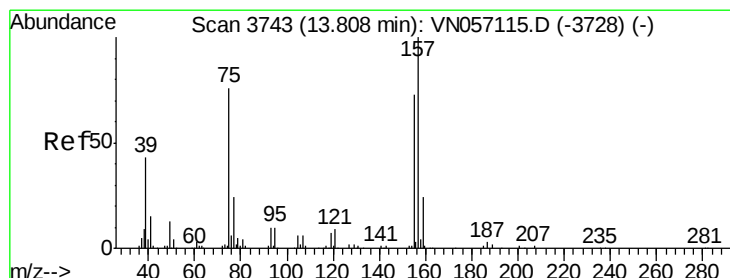
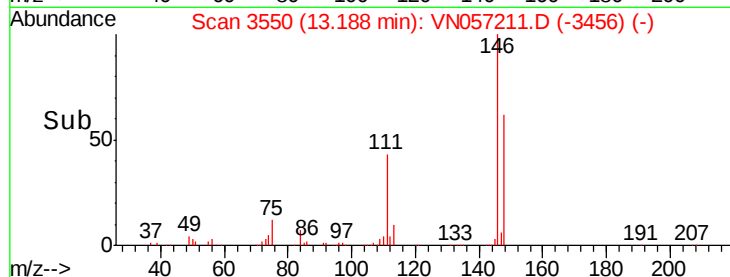
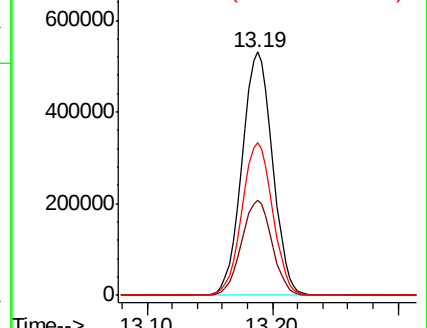
148 63.3 32.4 97.0



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: 43.822 ug/l

RT: 13.81 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

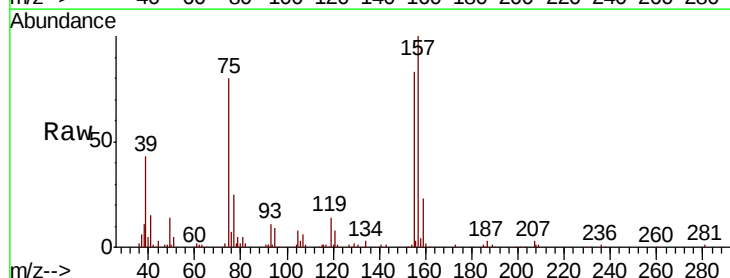
Tgt Ion: 75 Resp: 81267

Ion Ratio Lower Upper

75 100

155 102.2 49.3 147.9

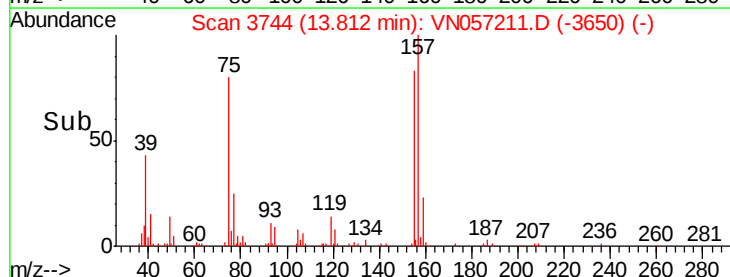
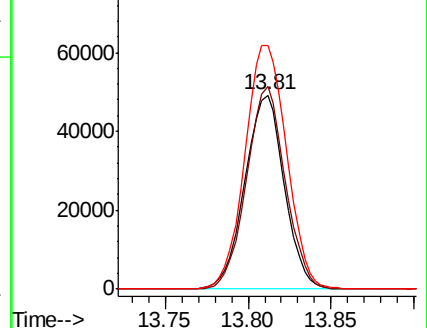
157 133.3 65.3 195.8

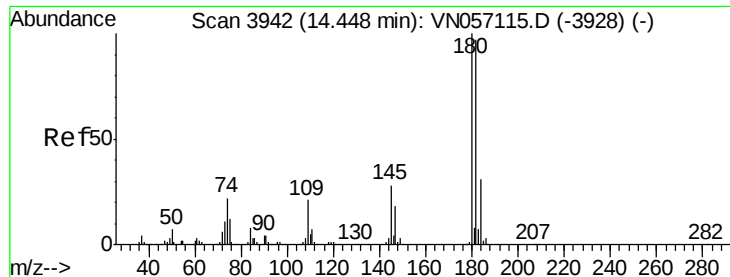


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

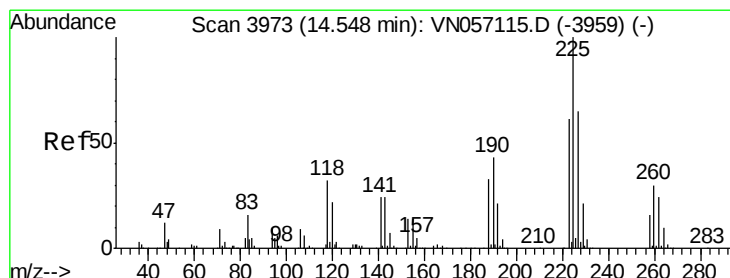
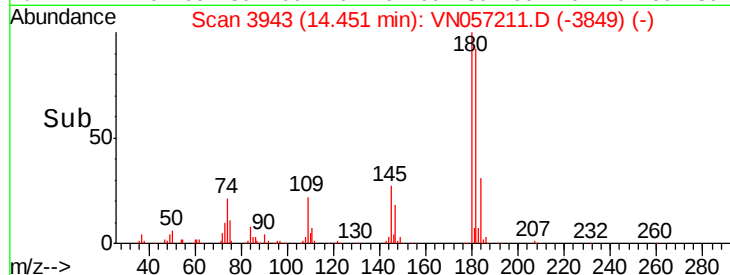
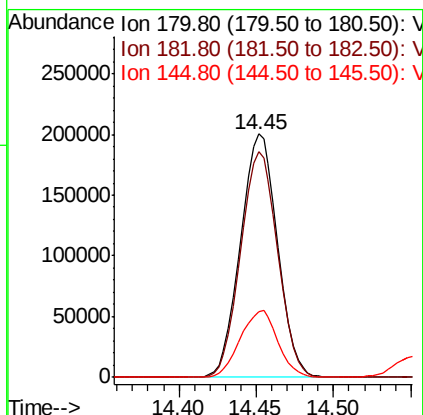
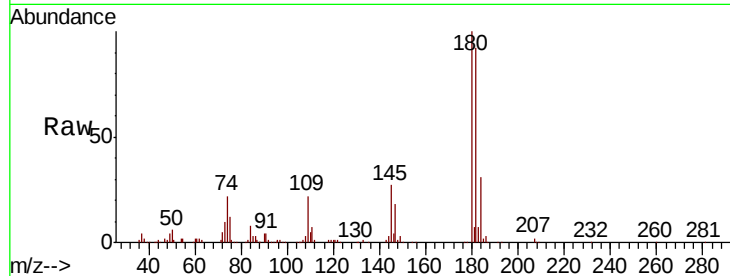




#93
 1,2,4-Trichlorobenzene
 Concen: 44.312 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

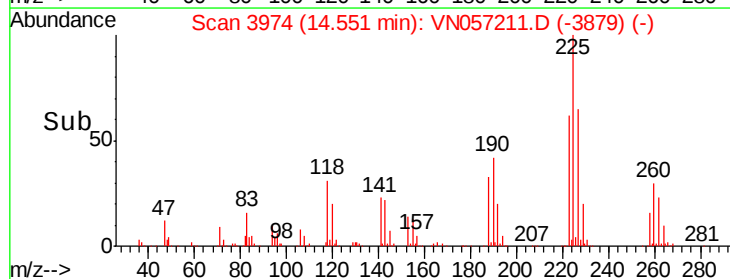
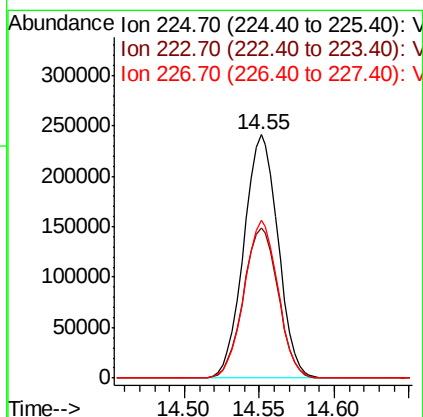
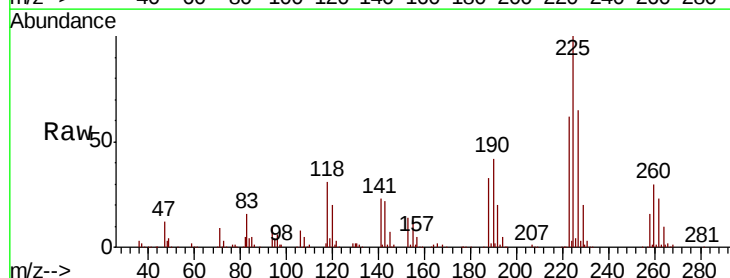
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

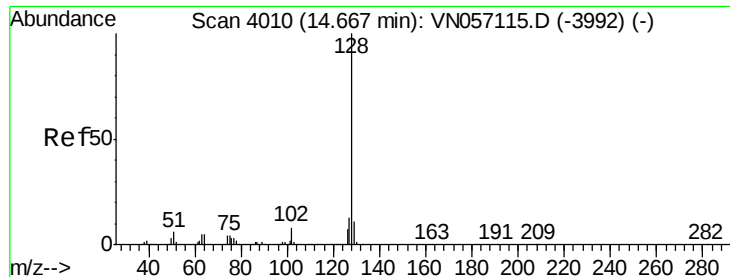
Tgt Ion:180 Resp: 332941
 Ion Ratio Lower Upper
 180 100
 182 92.8 47.5 142.6
 145 27.8 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 61.990 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057211.D
 Acq: 12 Aug 2019 13:03

Tgt Ion:225 Resp: 384313
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.8
 227 63.9 32.4 97.0





#95

Naphthalene

Concen: 40.732 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

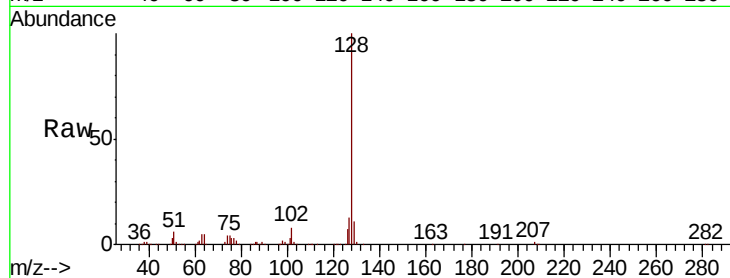
Tgt Ion:128 Resp: 595483

Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

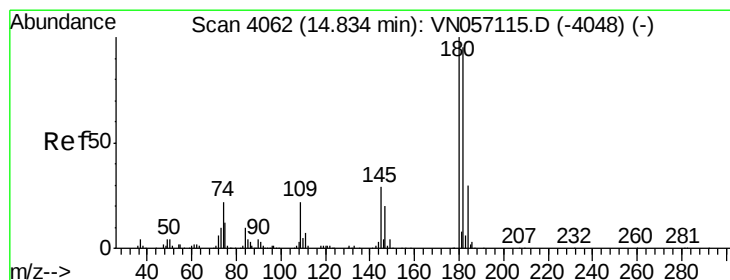
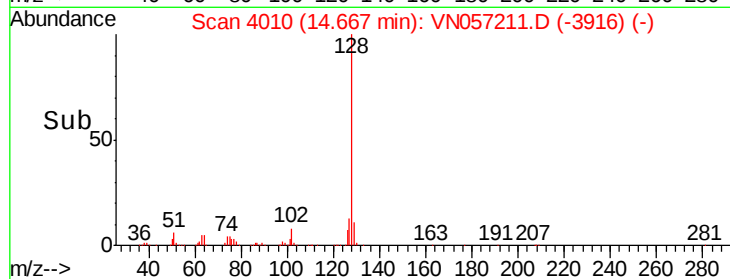
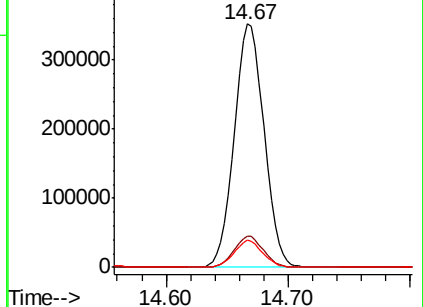
129 10.6 8.8 13.2



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: 38.207 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057211.D

Acq: 12 Aug 2019 13:03

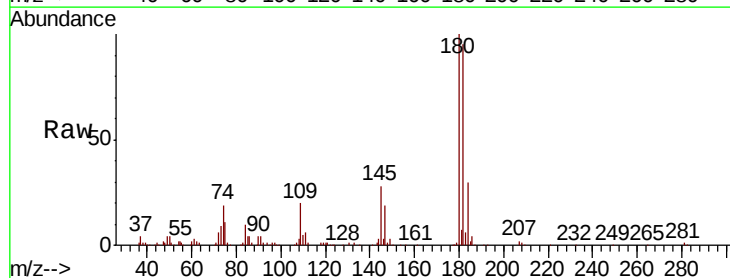
Tgt Ion:180 Resp: 290074

Ion Ratio Lower Upper

180 100

182 94.4 48.3 144.8

145 28.4 14.9 44.5



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

