

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
 Data File : VN057238.D
 Acq On : 13 Aug 2019 00:32
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 13 01:51:08 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	1028880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1540195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1394607	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	584392	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	557424	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	6.99	113	505484	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
50) Toluene-d8	9.56	98	1915370	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	11.92	95	649592	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	353521	42.750	ug/l	99
3) Chloromethane	2.00	50	429367	39.078	ug/l	98
4) Vinyl Chloride	2.11	62	422583	41.377	ug/l	100
5) Bromomethane	2.42	94	284421	40.987	ug/l	100
6) Chloroethane	2.55	64	294661	44.981	ug/l	99
7) Trichlorofluoromethane	2.82	101	686083	46.736	ug/l	98
8) Diethyl Ether	3.14	74	268652	47.367	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.44	101	405682	45.586	ug/l	98
10) Methyl Iodide	3.63	142	663328	49.325	ug/l	99
11) Tert butyl alcohol	4.24	59	368451	244.694	ug/l	100
12) 1,1-Dichloroethene	3.43	96	409768	46.805	ug/l	97
13) Acrolein	3.31	56	170051	178.517	ug/l	99
14) Allyl chloride	3.91	41	561877	44.162	ug/l	97
15) Acrylonitrile	4.44	53	1048112	257.190	ug/l	100
16) Acetone	3.47	43	792041	247.857	ug/l	97
17) Carbon Disulfide	3.72	76	1022231	43.890	ug/l	100
18) Methyl Acetate	3.89	43	498323	52.370	ug/l	99
19) Methyl tert-butyl Ether	4.49	73	1328315	50.257	ug/l	98
20) Methylene Chloride	4.10	84	484709	45.960	ug/l	98
21) trans-1,2-Dichloroethene	4.50	96	440347	46.173	ug/l	100
22) Diisopropyl ether	5.32	45	1317783	47.485	ug/l	98
23) Vinyl Acetate	5.26	43	5251046	247.095	ug/l	100
24) 1,1-Dichloroethane	5.25	63	799173	46.845	ug/l	98
25) 2-Butanone	6.20	43	1264262	258.947	ug/l	99
26) 2,2-Dichloropropane	6.21	77	445933	35.929	ug/l	96
27) cis-1,2-Dichloroethene	6.21	96	527585	48.289	ug/l	98
28) Bromochloromethane	6.58	49	393210	50.110	ug/l	99
29) Tetrahydrofuran	6.60	42	824221	250.604	ug/l	97
30) Chloroform	6.76	83	843653	47.780	ug/l	100
31) Cyclohexane	7.07	56	653163	42.556	ug/l	96
32) 1,1,1-Trichloroethane	6.98	97	724100	48.885	ug/l	100
36) 1,1-Dichloropropene	7.20	75	603502	47.590	ug/l	100
37) Ethyl Acetate	6.28	43	529362	50.639	ug/l #	99
38) Carbon Tetrachloride	7.18	117	649143	49.118	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	689003	44.678	ug/l	95
40) Benzene	7.46	78	1876333	46.738	ug/l	99
41) Methacrylonitrile	6.55	41	254897	48.003	ug/l	93
42) 1,2-Dichloroethane	7.54	62	619134	48.357	ug/l	100
43) Isopropyl Acetate	7.56	43	963401	54.004	ug/l	96
44) Trichloroethene	8.27	130	534191	47.496	ug/l	99
45) 1,2-Dichloropropane	8.56	63	489401	47.082	ug/l	99
46) Dibromomethane	8.65	93	327888	49.196	ug/l	98
47) Bromodichloromethane	8.85	83	651508	50.520	ug/l	98
48) Methyl methacrylate	8.64	41	414555	49.281	ug/l	99
49) 1,4-Dioxane	8.64	88	176293	1028.985	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	2651769	255.409	ug/l	100
52) Toluene	9.63	92	1191210	47.803	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	667957	49.579	ug/l	97
54) cis-1,3-Dichloropropene	9.30	75	736630	47.650	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	476419	48.618	ug/l	99
56) Ethyl methacrylate	9.90	69	700458	51.052	ug/l	99
57) 1,3-Dichloropropane	10.19	76	785053	48.581	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	1009521	187.960	ug/l	98
59) 2-Hexanone	10.24	43	1876721	267.083	ug/l	99
60) Dibromochloromethane	10.39	129	548025	53.250	ug/l	100
61) 1,2-Dibromoethane	10.50	107	504295	49.872	ug/l	100
64) Tetrachloroethene	10.11	164	556142	47.951	ug/l	95
65) Chlorobenzene	10.93	112	1326600	47.276	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	521959	49.754	ug/l	100
67) Ethyl Benzene	11.01	91	2290213	47.422	ug/l	99
68) m/p-Xylenes	11.13	106	1728866	97.170	ug/l	100
69) o-Xylene	11.46	106	846208	47.788	ug/l	99
70) Styrene	11.48	104	1410488	50.998	ug/l	99
71) Bromoform	11.64	173	418745	54.491	ug/l #	99
73) Isopropylbenzene	11.77	105	2269435	47.550	ug/l	100
74) N-amyl acetate	11.59	43	691816	46.716	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.03	83	652347	51.298	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	780257	69.571	ug/l #	100
77) Bromobenzene	12.05	156	611532	43.536	ug/l	97
78) n-propylbenzene	12.11	91	2371377	42.298	ug/l	100
79) 2-Chlorotoluene	12.20	91	1471829	47.001	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	1887055	41.826	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.82	75	176646	44.445	ug/l	96
82) 4-Chlorotoluene	12.30	91	1411947	43.496	ug/l	100
83) tert-Butylbenzene	12.52	119	1683656	47.223	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	1806228	41.419	ug/l	100
85) sec-Butylbenzene	12.70	105	2089347	41.036	ug/l	99
86) p-Isopropyltoluene	12.82	119	1836973	41.117	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	930615	46.537	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	869247	45.877	ug/l	100
89) n-Butylbenzene	13.15	91	1334054	43.220	ug/l	99
90) Hexachloroethane	13.41	117	347348	48.888	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	884051	44.270	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.81	75	87986	42.830	ug/l	96

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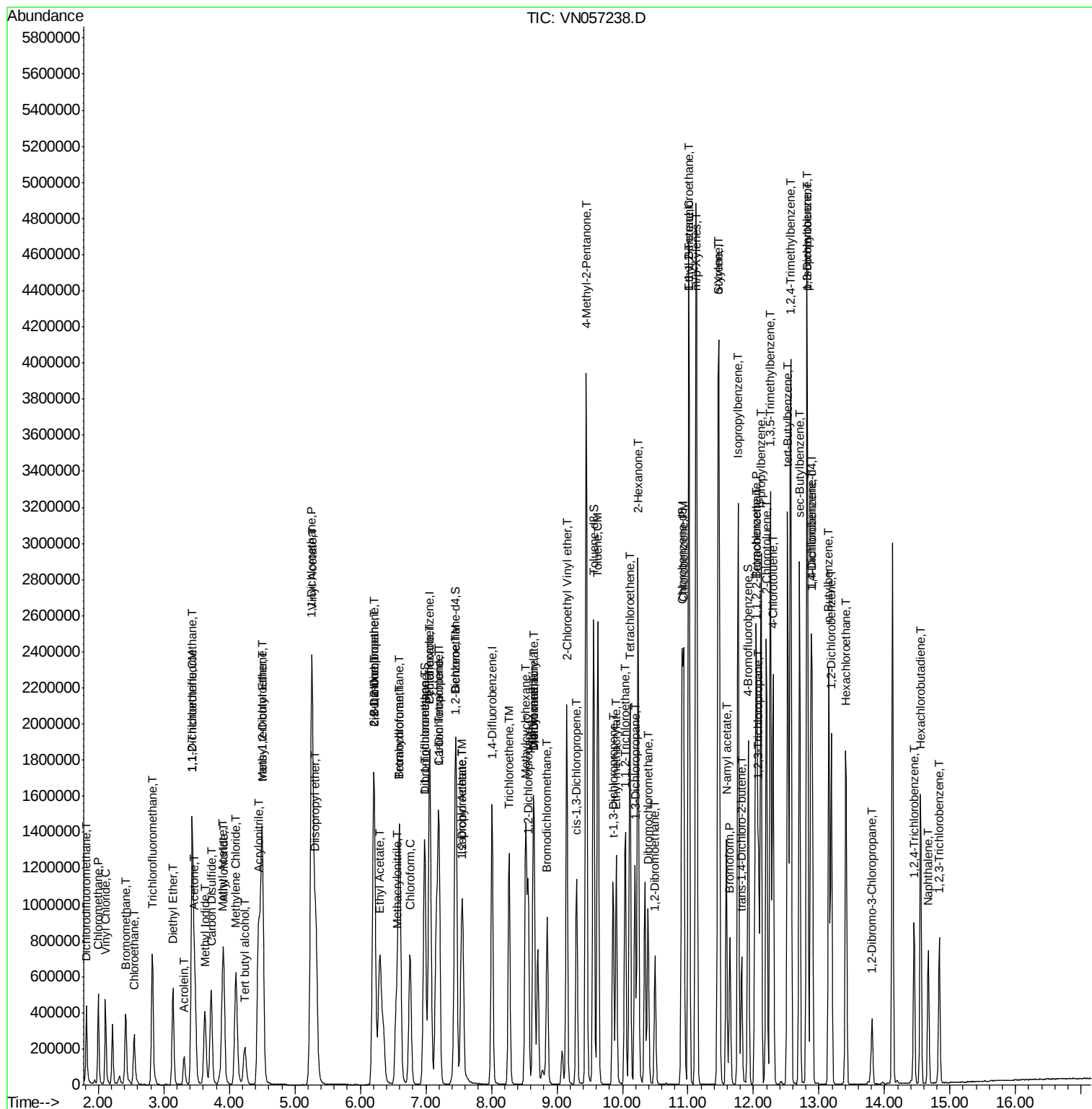
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	311092	38.305	ug/l	99
94) Hexachlorobutadiene	14.55	225	345652	49.565	ug/l	99
95) Naphthalene	14.67	128	630106	39.231	ug/l	99
96) 1,2,3-Trichlorobenzene	14.84	180	291925	35.235	ug/l	99

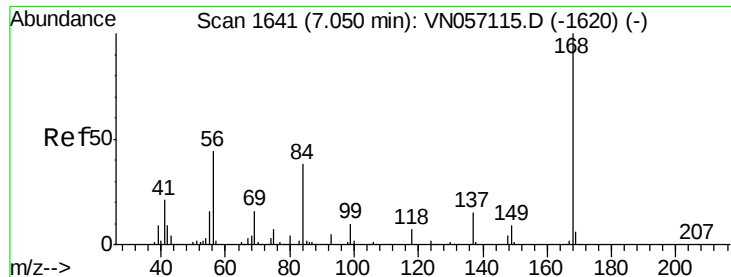
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

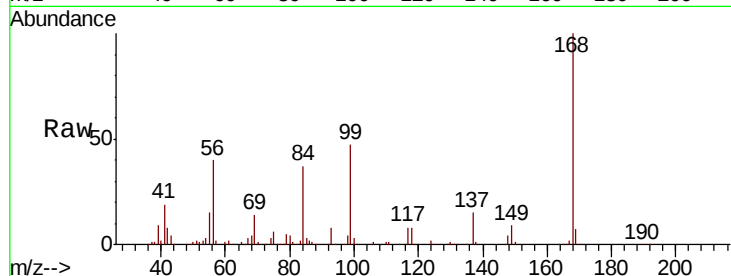
VSTDCCC050EC

Tgt Ion:168 Resp: 1028880

Ion Ratio Lower Upper

168 100

99 47.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN057115.D (-1620) (-)

Ion 98.90 (98.60 to 99.60): VN057115.D (-1620) (-)

7.05

400000

300000

200000

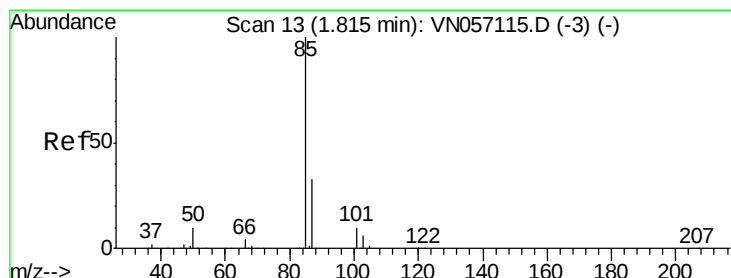
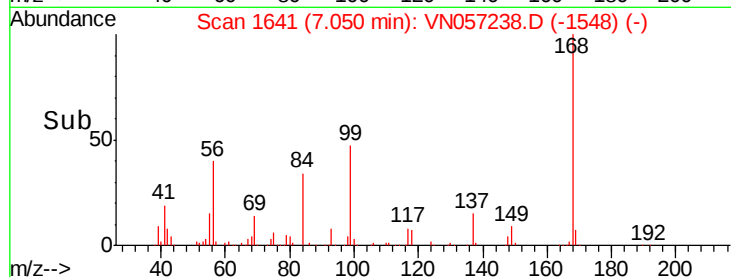
100000

0

7.00

7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.750 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057238.D

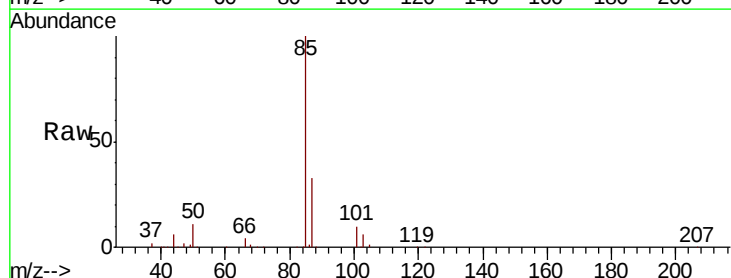
Acq: 13 Aug 2019 00:32

Tgt Ion: 85 Resp: 353521

Ion Ratio Lower Upper

85 100

87 32.8 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN057115.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VN057115.D (-3) (-)

1.82

250000

200000

150000

100000

50000

0

1.75

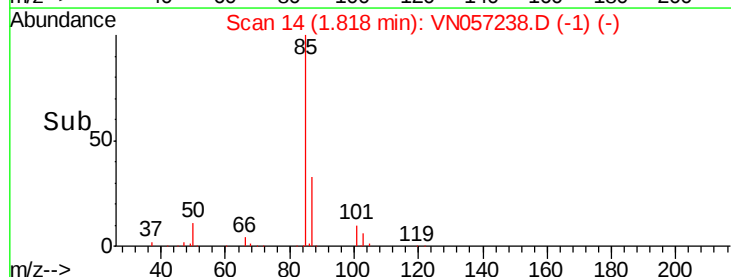
1.80

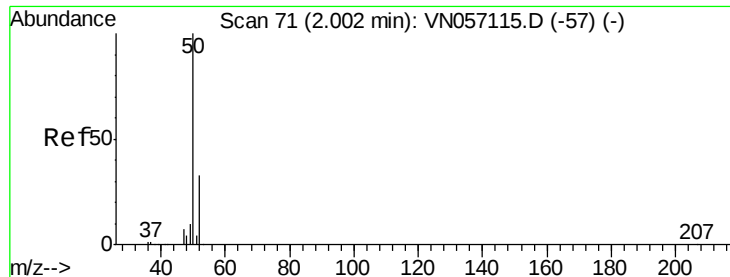
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 39.078 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

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ClientSampleId :

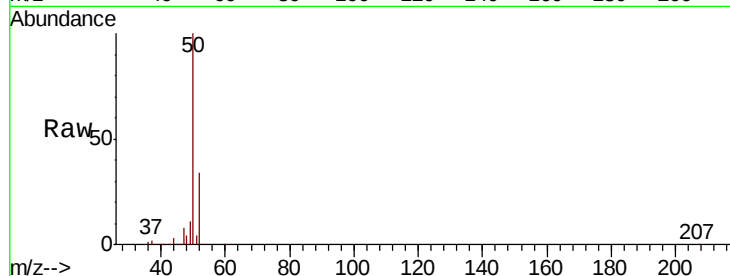
VSTDCCC050EC

Tgt Ion: 50 Resp: 429367

Ion Ratio Lower Upper

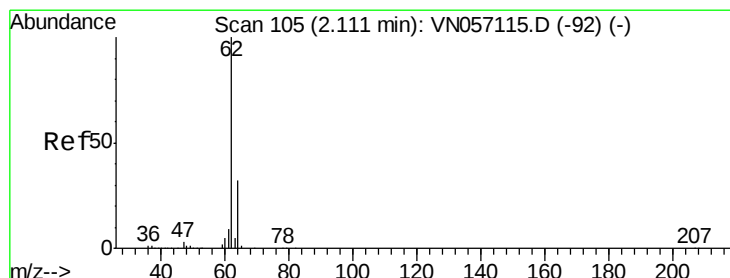
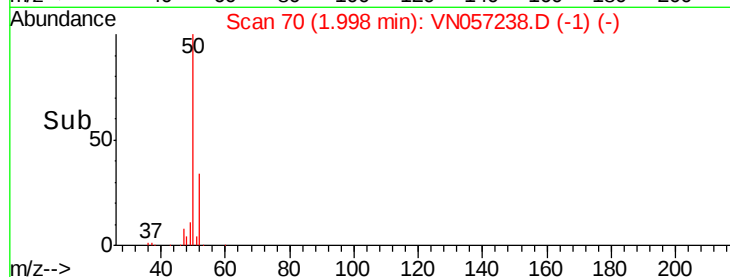
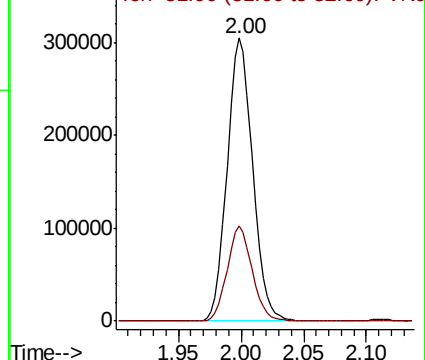
50 100

52 33.5 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.377 ug/l

RT: 2.11 min Scan# 104

Delta R.T. -0.00 min

Lab File: VN057238.D

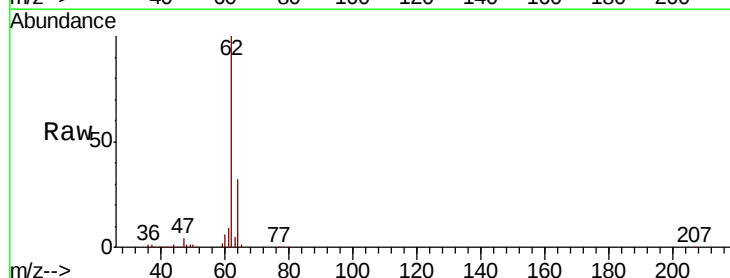
Acq: 13 Aug 2019 00:32

Tgt Ion: 62 Resp: 422583

Ion Ratio Lower Upper

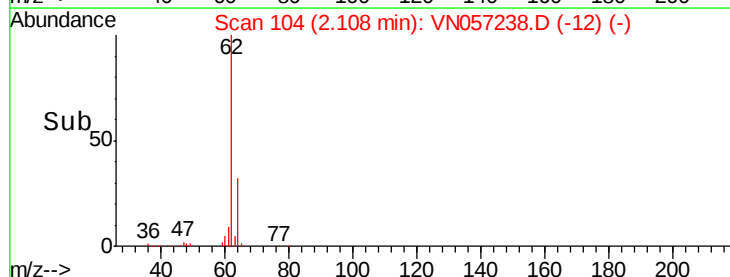
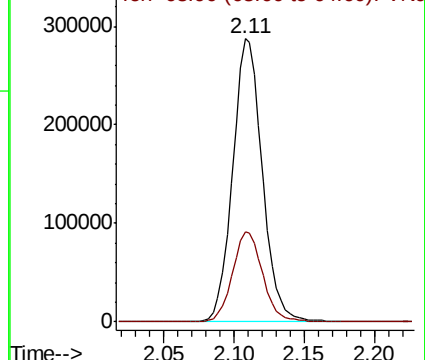
62 100

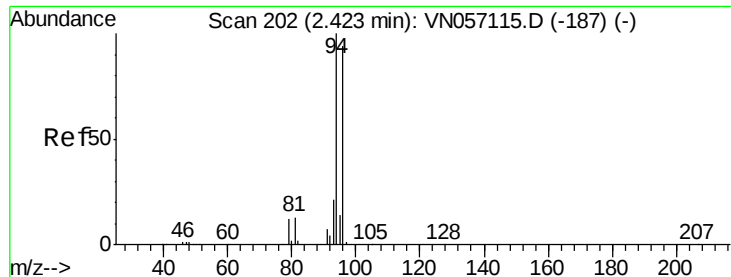
64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 40.987 ug/l

RT: 2.42 min Scan# 200

Delta R.T. -0.01 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

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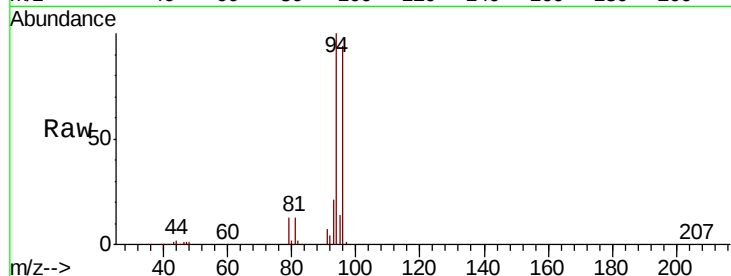
VSTDCCC050EC

Tgt Ion: 94 Resp: 284421

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN057115.D (-187) (-)

Ion 95.90 (95.60 to 96.60): VN057115.D (-187) (-)

2.42

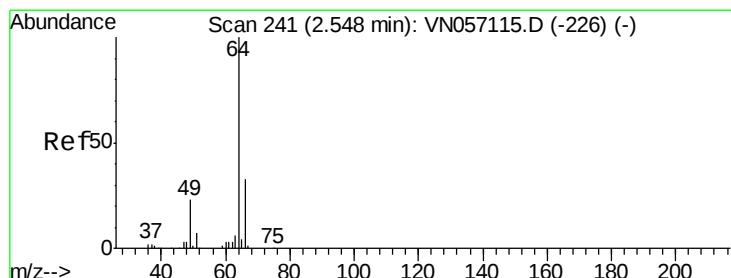
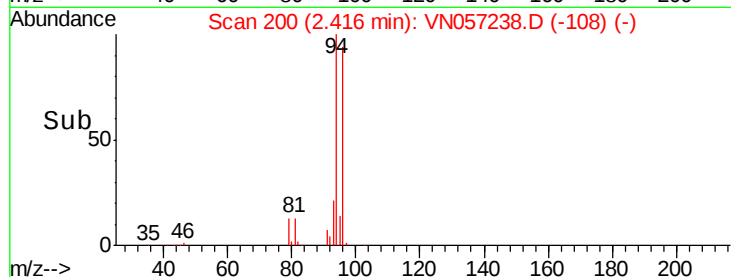
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 44.981 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VN057238.D

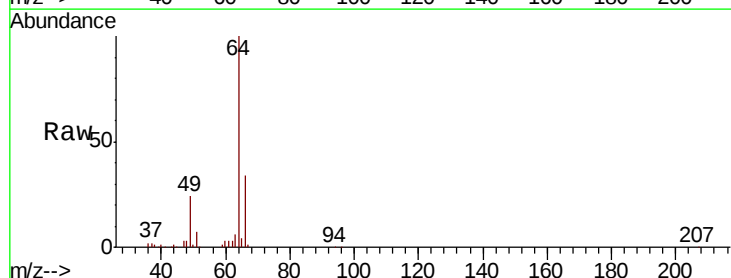
Acq: 13 Aug 2019 00:32

Tgt Ion: 64 Resp: 294661

Ion Ratio Lower Upper

64 100

66 33.5 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN057115.D (-226) (-)

Ion 65.90 (65.60 to 66.60): VN057115.D (-226) (-)

2.55

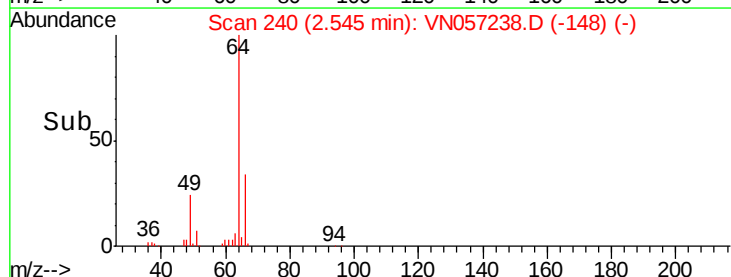
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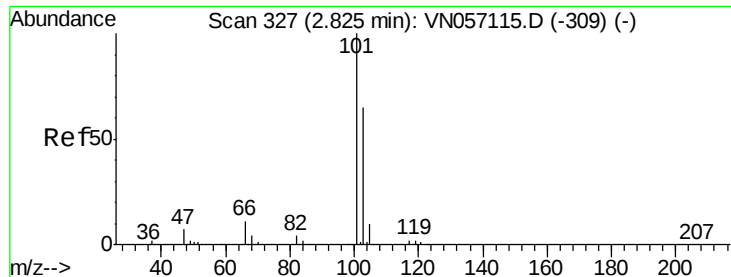
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50000

0

Time-->



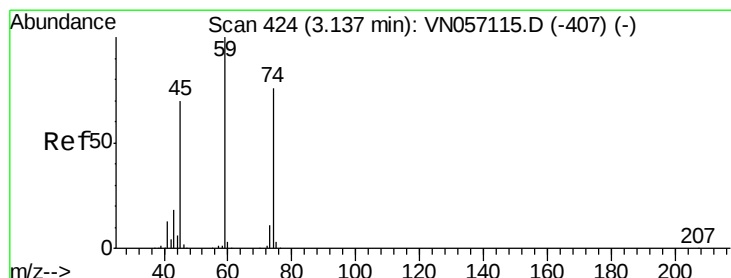
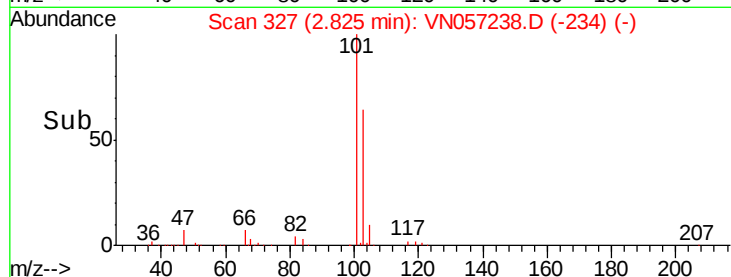
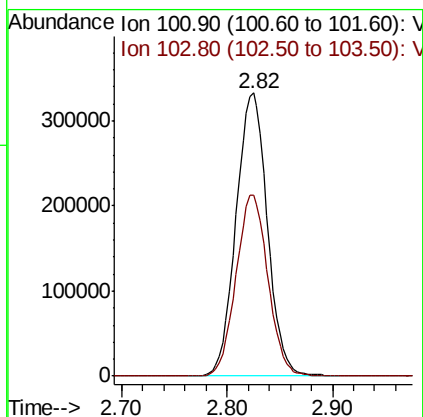
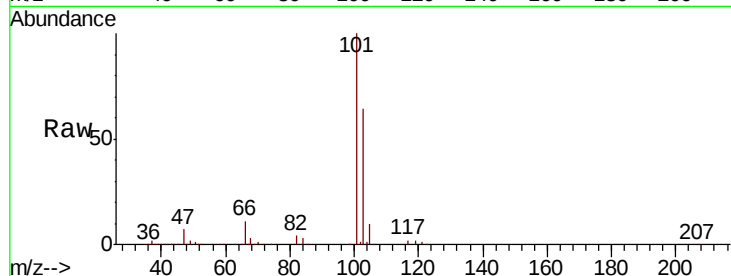


#7

Trichlorofluoromethane
 Concen: 46.736 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Instrument :
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 VSTDCCC050EC

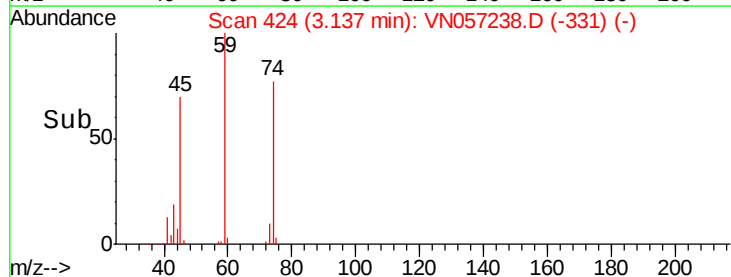
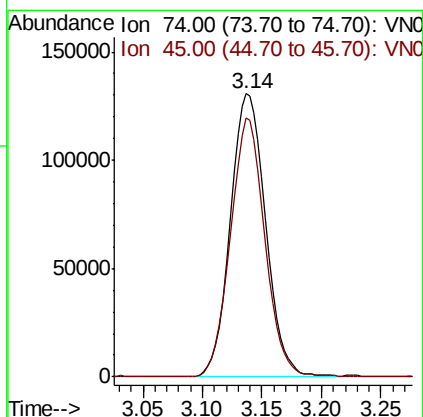
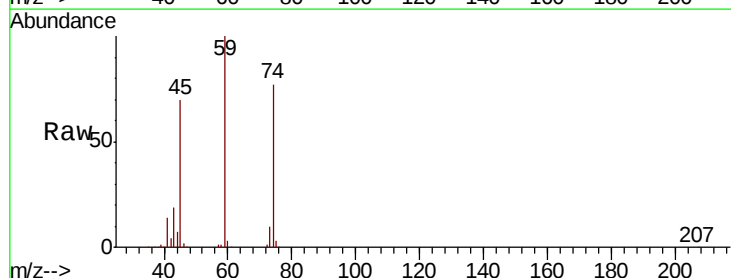
Tgt Ion: 101 Resp: 686083
 Ion Ratio Lower Upper
 101 100
 103 63.9 52.2 78.4

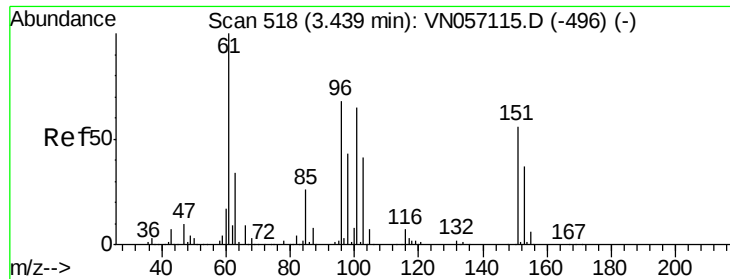


#8

Diethyl Ether
 Concen: 47.367 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion: 74 Resp: 268652
 Ion Ratio Lower Upper
 74 100
 45 89.5 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.586 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

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VSTDCCC050EC

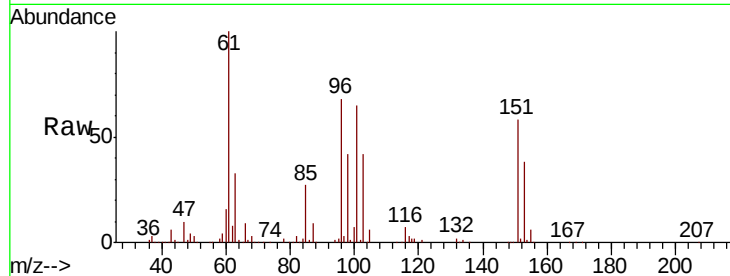
Tgt Ion:101 Resp: 405682

Ion Ratio Lower Upper

101 100

85 41.3 32.3 48.5

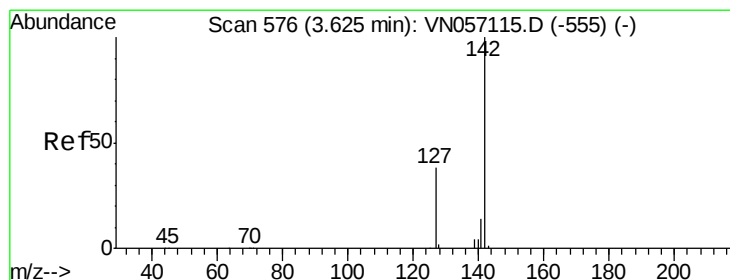
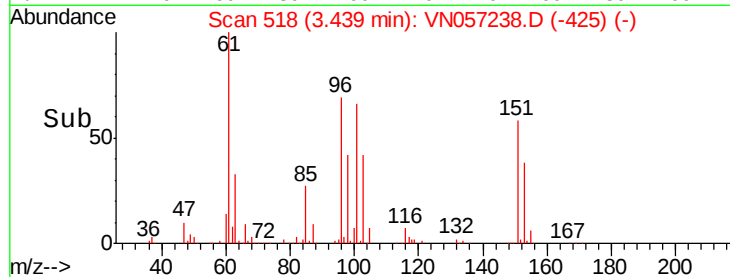
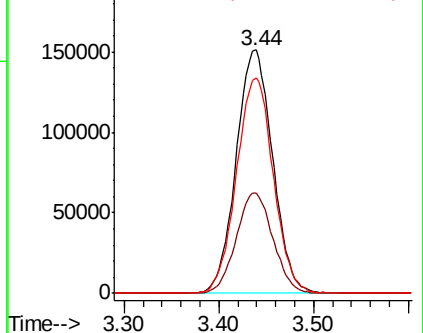
151 89.3 69.4 104.0



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: 49.325 ug/l

RT: 3.63 min Scan# 576

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

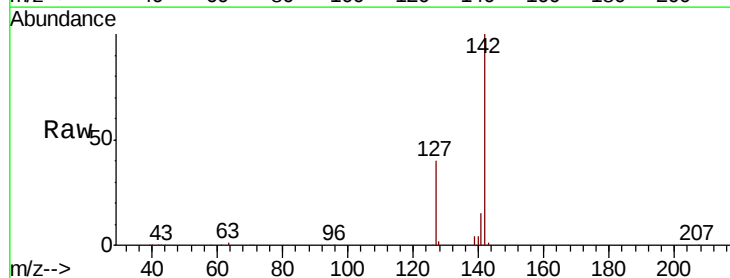
Tgt Ion:142 Resp: 663328

Ion Ratio Lower Upper

142 100

127 39.7 31.0 46.6

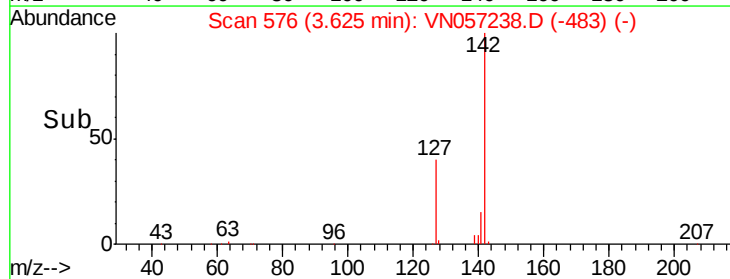
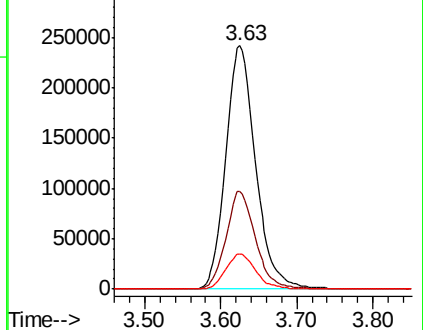
141 14.6 11.2 16.8

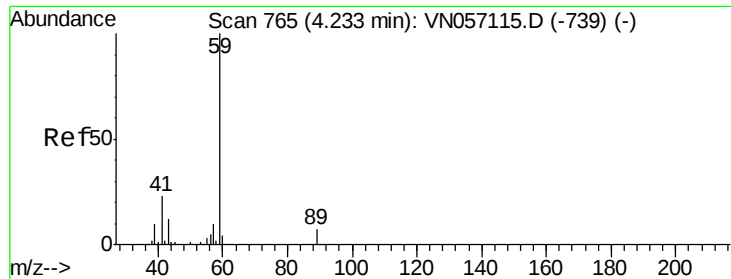


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

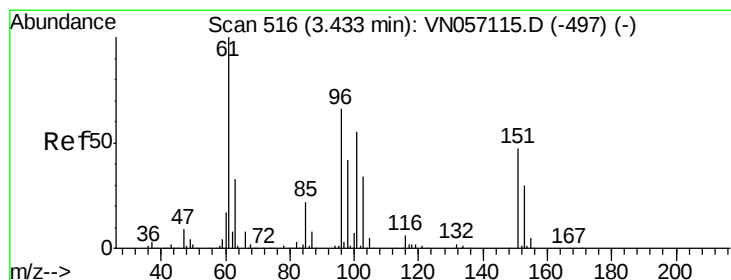
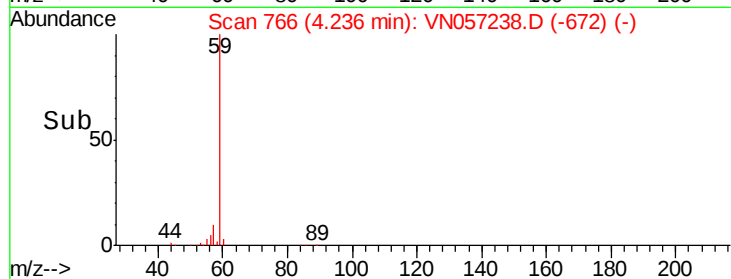
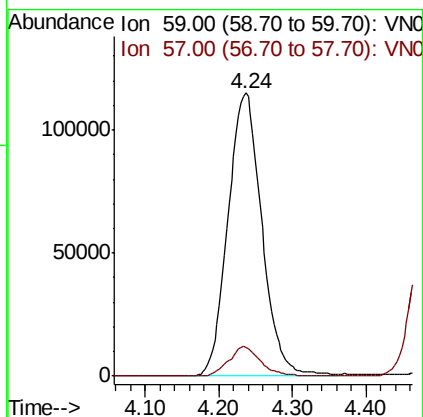
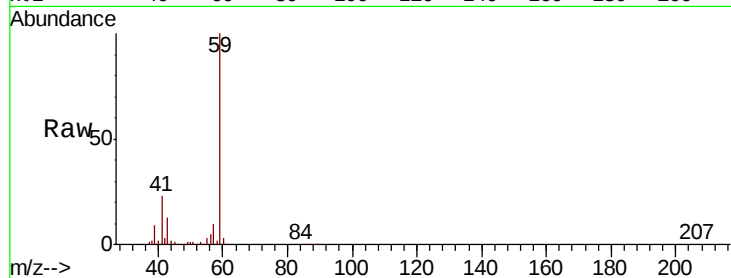




#11
Tert butyl alcohol
Concen: 244.694 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

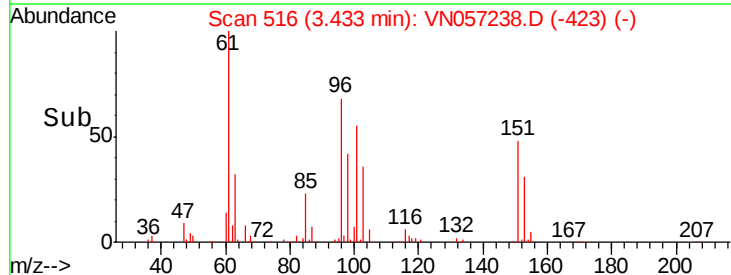
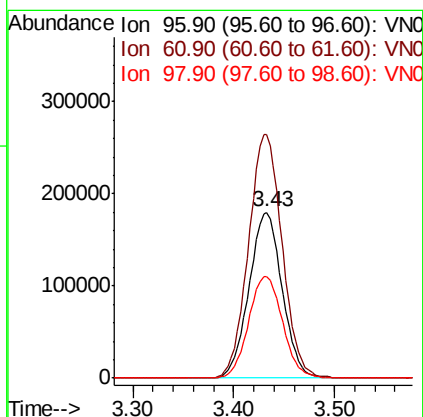
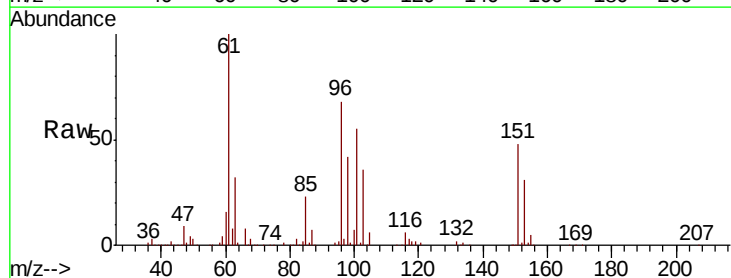
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

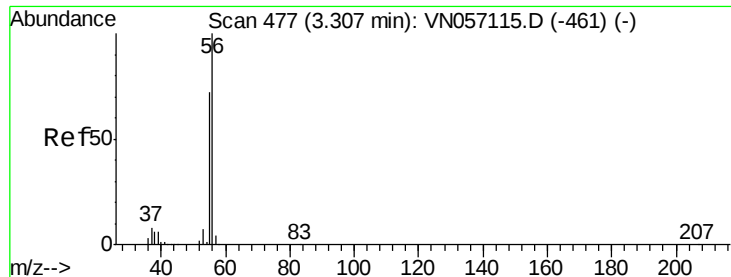
Tgt Ion: 59 Resp: 368451
Ion Ratio Lower Upper
59 100
57 9.8 7.9 11.9



#12
1,1-Dichloroethene
Concen: 46.805 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 96 Resp: 409768
Ion Ratio Lower Upper
96 100
61 146.6 121.0 181.6
98 61.5 50.8 76.2





#13

Acrolein

Concen: 178.517 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

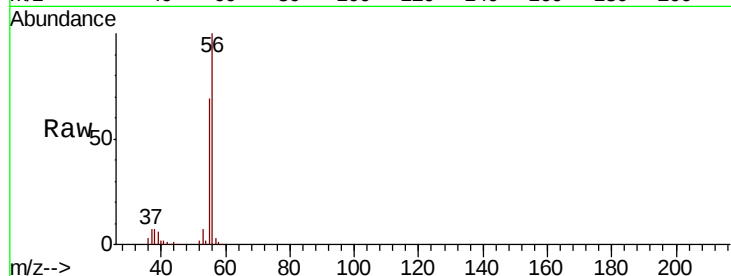
VSTDCCC050EC

Tgt Ion: 56 Resp: 170051

Ion Ratio Lower Upper

56 100

55 71.4 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.31

80000

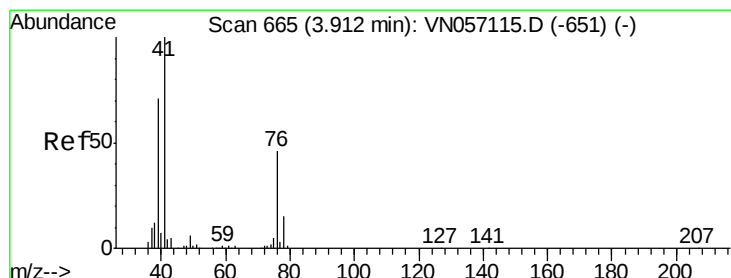
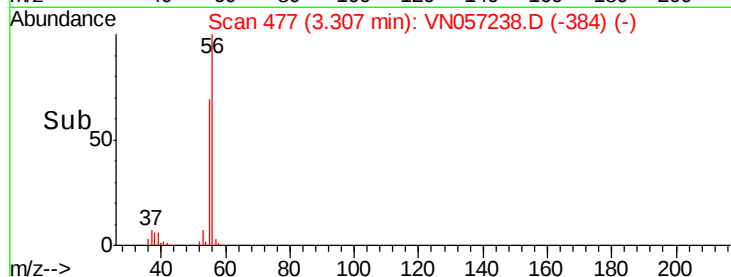
60000

40000

20000

0

Time--> 3.20 3.30 3.40



#14

Allyl chloride

Concen: 44.162 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

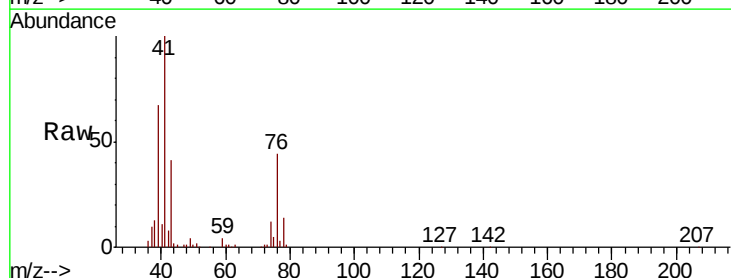
Tgt Ion: 41 Resp: 561877

Ion Ratio Lower Upper

41 100

39 67.7 51.1 76.7

76 41.7 32.8 49.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

3.91

250000

200000

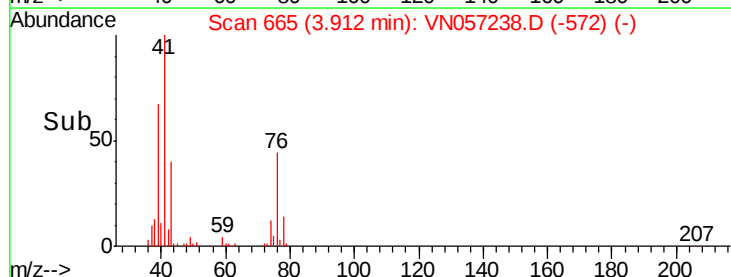
150000

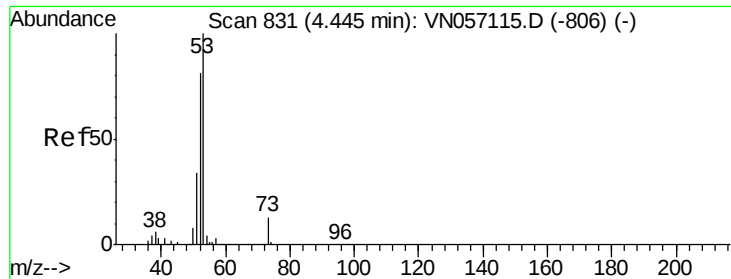
100000

50000

0

Time--> 3.80 3.90 4.00





#15

Acrylonitrile

Concen: 257.190 ug/l

RT: 4.44 min Scan# 830

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

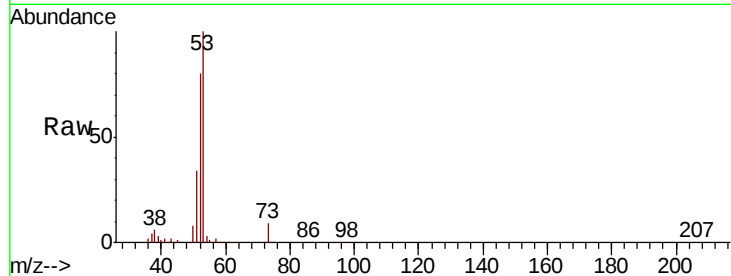
Tgt Ion: 53 Resp: 1048112

Ion Ratio Lower Upper

53 100

52 80.7 64.9 97.3

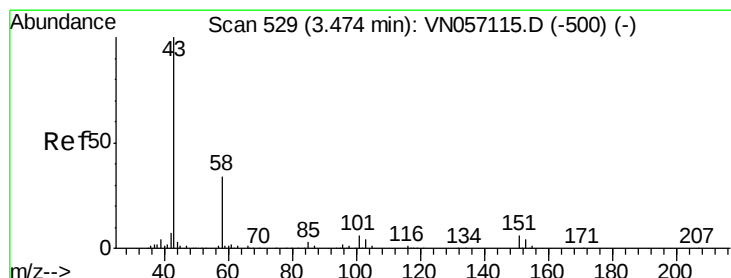
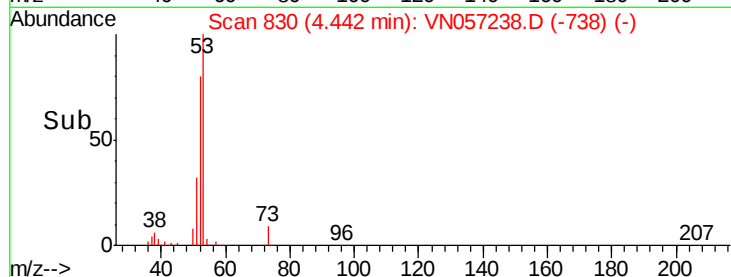
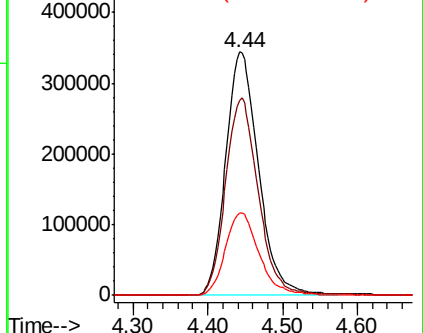
51 35.0 27.8 41.6



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: 247.857 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057238.D

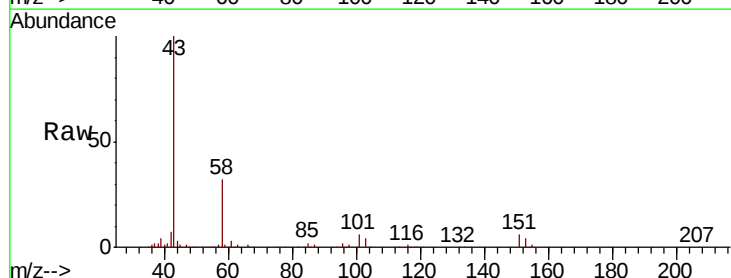
Acq: 13 Aug 2019 00:32

Tgt Ion: 43 Resp: 792041

Ion Ratio Lower Upper

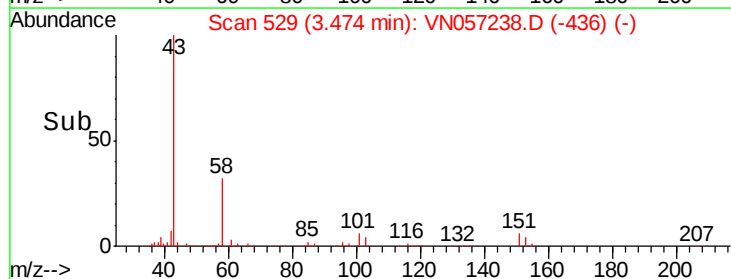
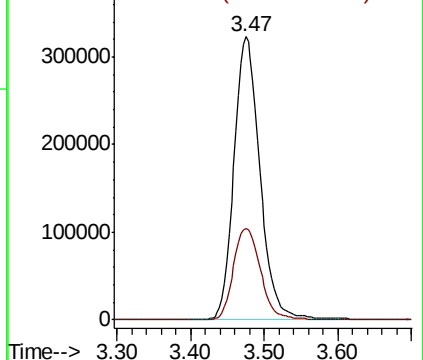
43 100

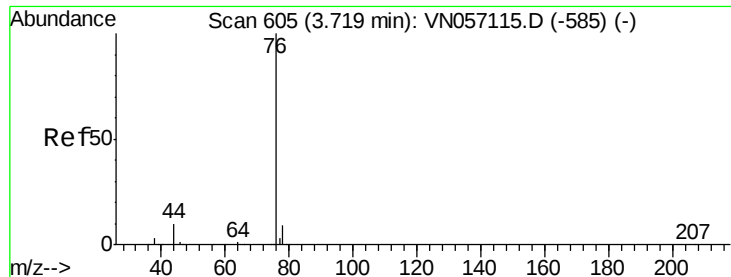
58 32.4 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

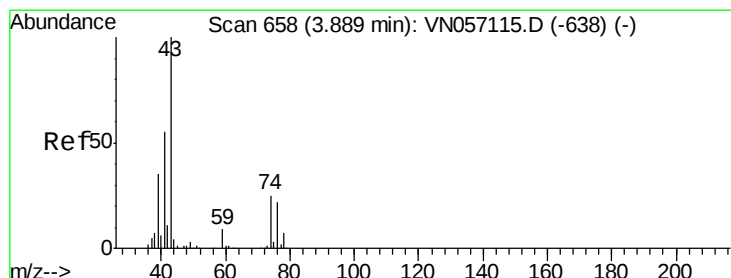
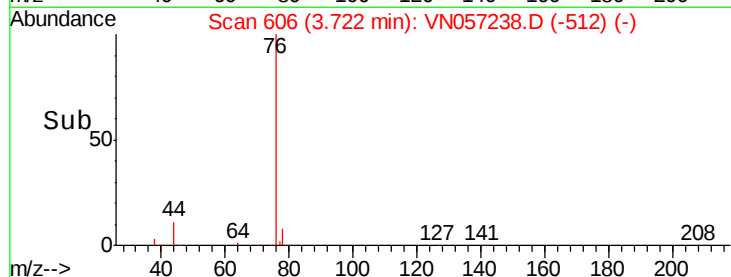
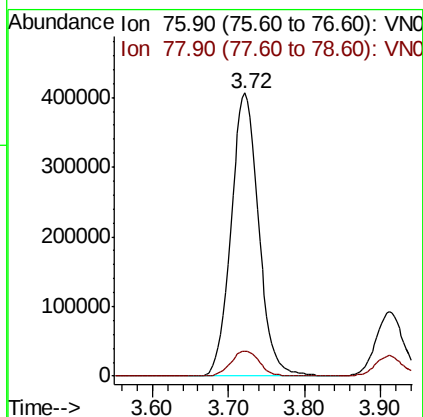
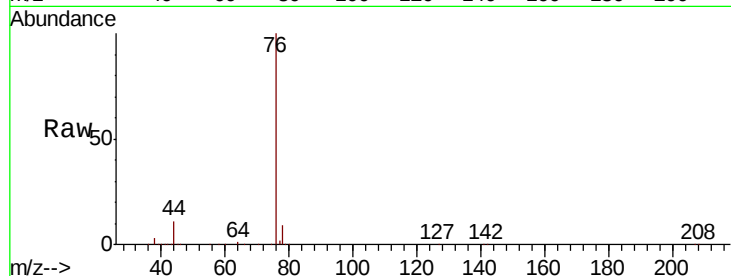




#17
Carbon Disulfide
Concen: 43.890 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

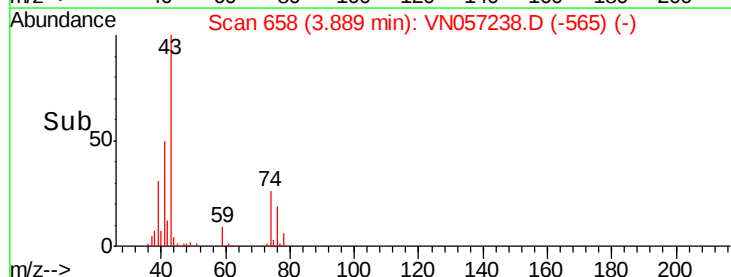
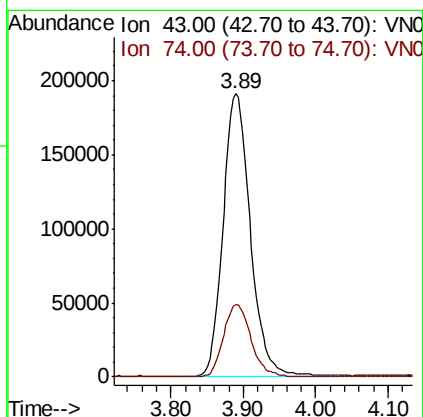
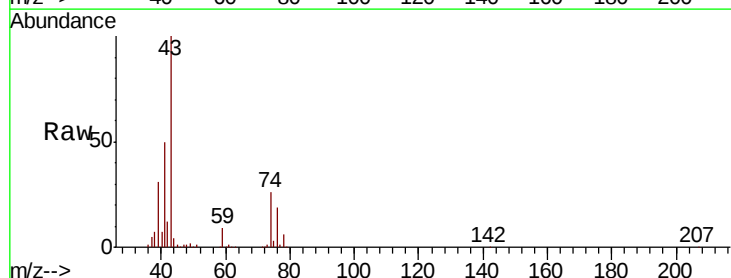
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

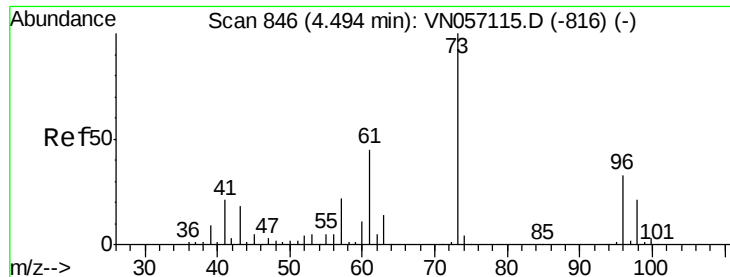
Tgt Ion: 76 Resp: 1022231
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6



#18
Methyl Acetate
Concen: 52.370 ug/l
RT: 3.89 min Scan# 658
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 43 Resp: 498323
Ion Ratio Lower Upper
43 100
74 25.8 20.2 30.4

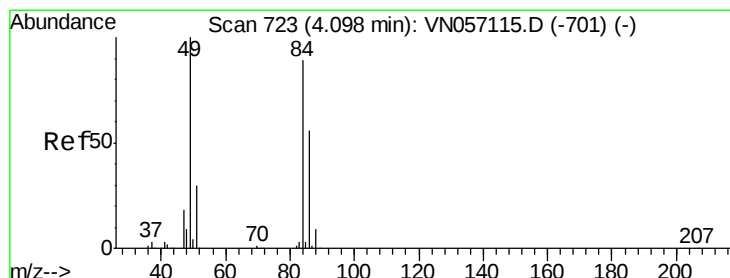
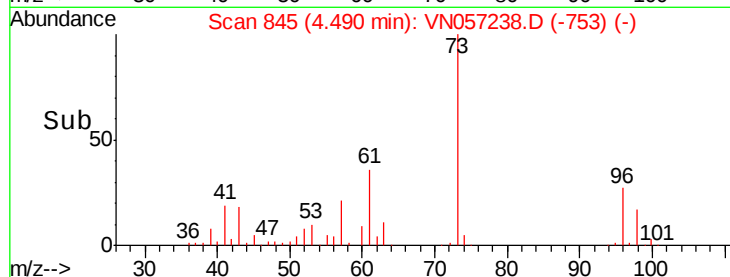
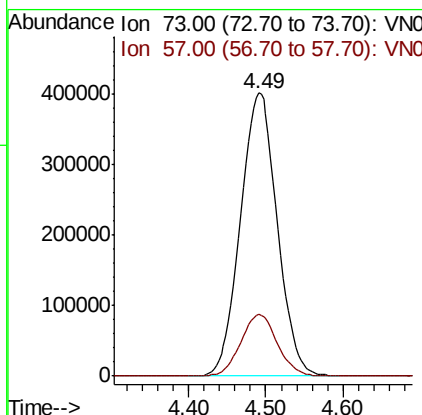
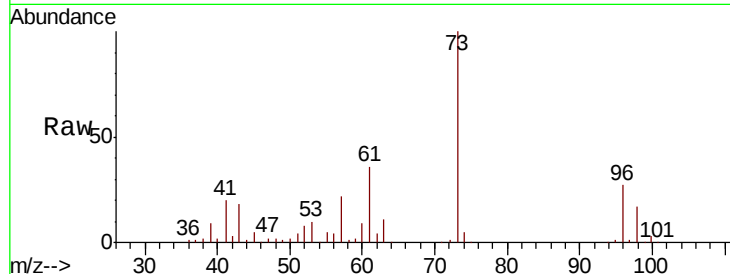




#19
Methyl tert-butyl Ether
Concen: 50.257 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

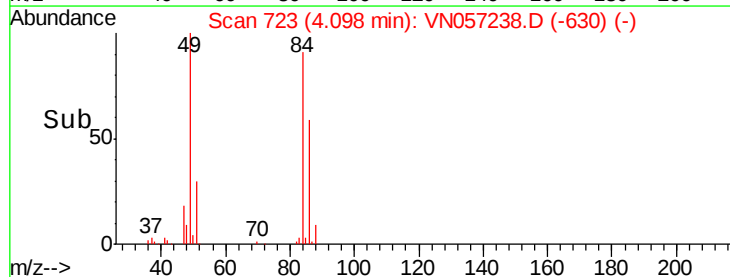
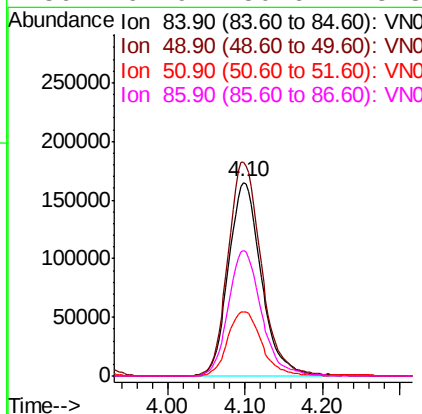
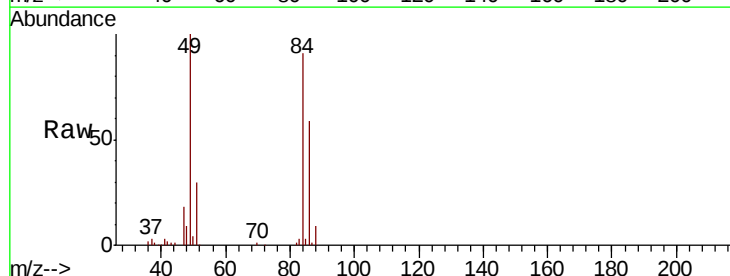
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

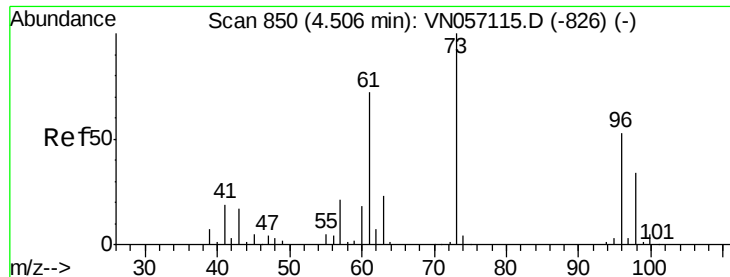
Tgt Ion: 73 Resp: 1328315
Ion Ratio Lower Upper
73 100
57 21.7 18.0 27.0



#20
Methylene Chloride
Concen: 45.960 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 84 Resp: 484709
Ion Ratio Lower Upper
84 100
49 110.1 89.5 134.3
51 33.3 27.2 40.8
86 64.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 46.173 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

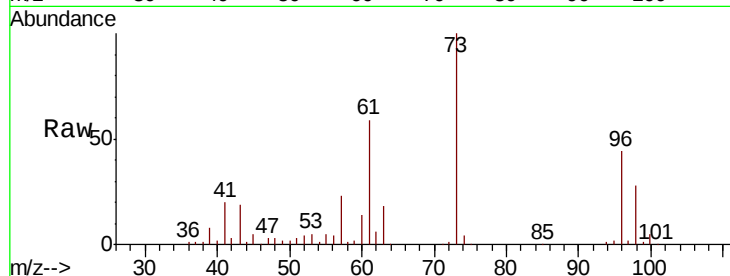
Tgt Ion: 96 Resp: 440347

Ion Ratio Lower Upper

96 100

61 134.6 108.1 162.1

98 63.3 50.5 75.7

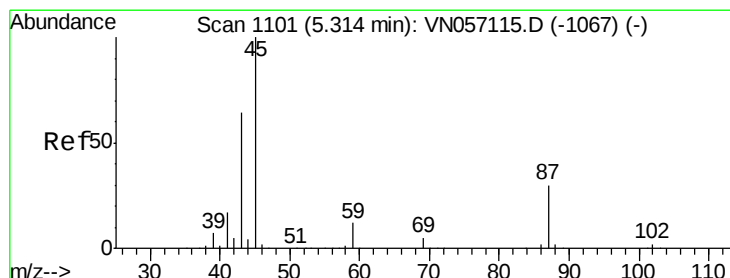
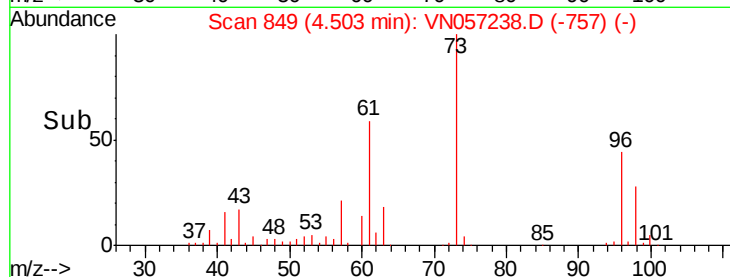
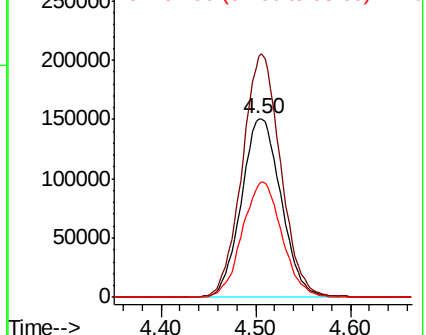


Abundance

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: 47.485 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion: 45 Resp: 1317783

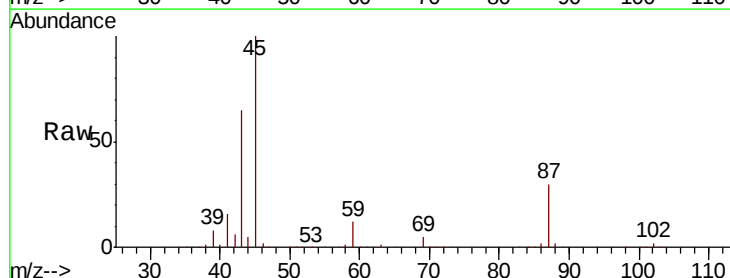
Ion Ratio Lower Upper

45 100

43 65.0 54.1 81.1

87 29.9 24.0 36.0

59 12.3 10.0 15.0



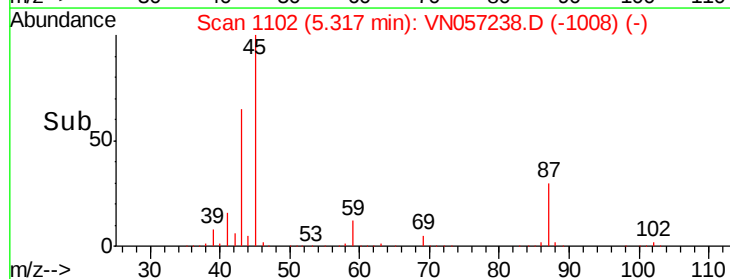
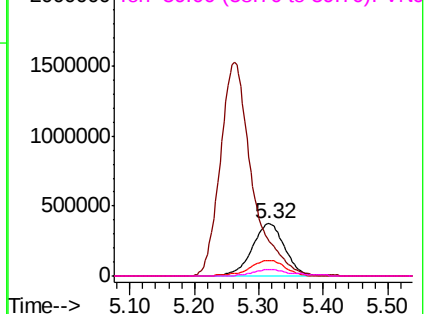
Abundance

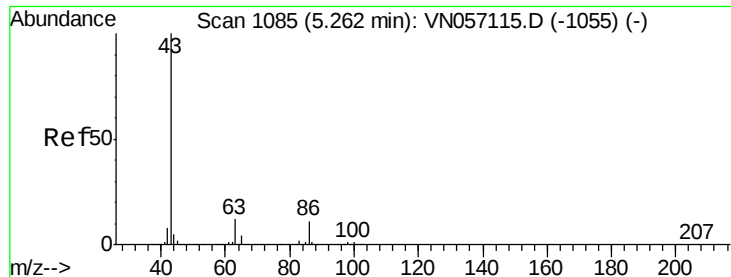
Ion 45.00 (44.70 to 45.70): VN0

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: 247.095 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

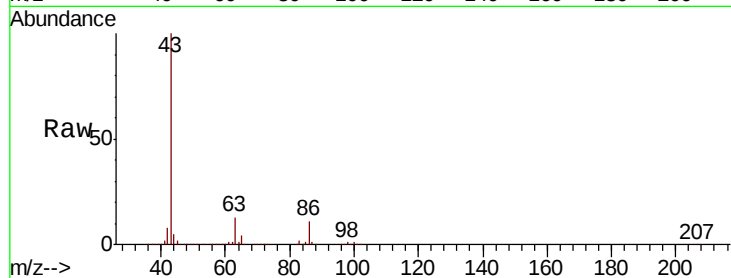
VSTDCCC050EC

Tgt Ion: 43 Resp: 5251046

Ion Ratio Lower Upper

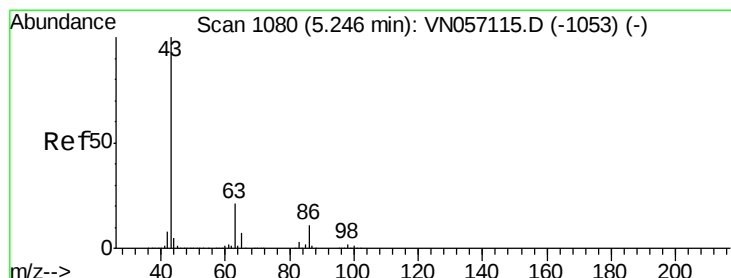
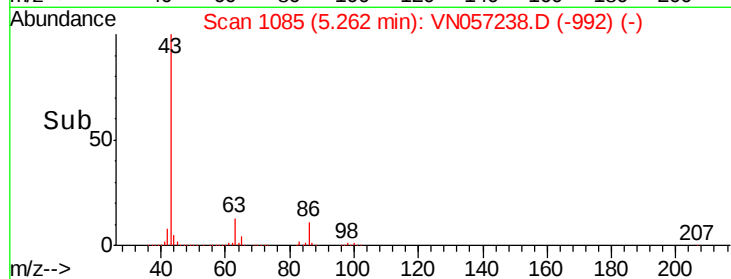
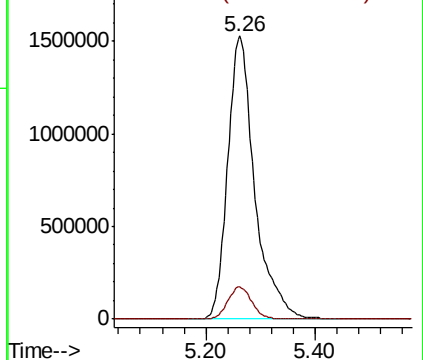
43 100

86 11.3 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1055) (-)

Ion 86.00 (85.70 to 86.70): VN057115.D (-1055) (-)



#24

1,1-Dichloroethane

Concen: 46.845 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

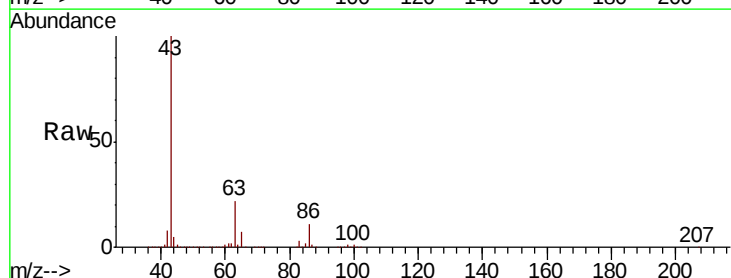
Tgt Ion: 63 Resp: 799173

Ion Ratio Lower Upper

63 100

98 6.7 3.8 11.2

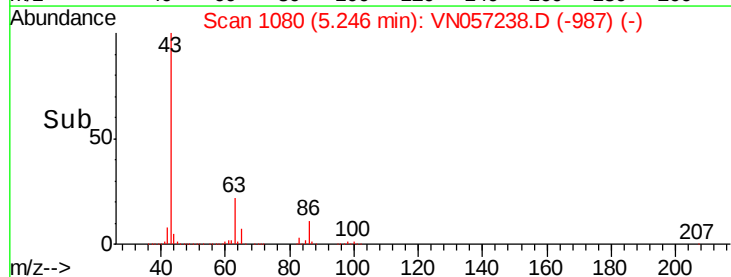
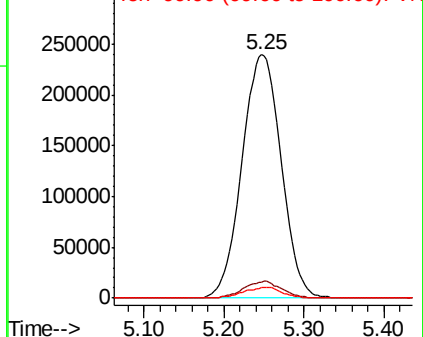
100 4.3 2.1 6.3

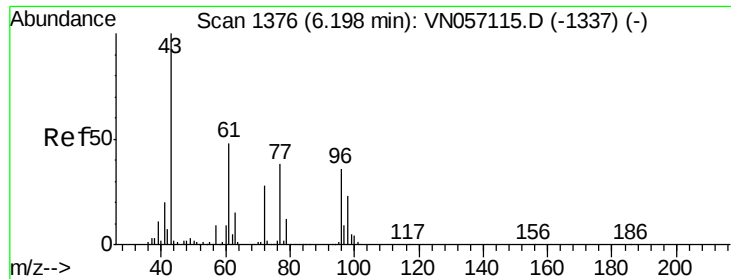


Abundance Ion 62.90 (62.60 to 63.60): VN057115.D (-1053) (-)

Ion 97.90 (97.60 to 98.60): VN057115.D (-1053) (-)

Ion 99.90 (99.60 to 100.60): VN057115.D (-1053) (-)

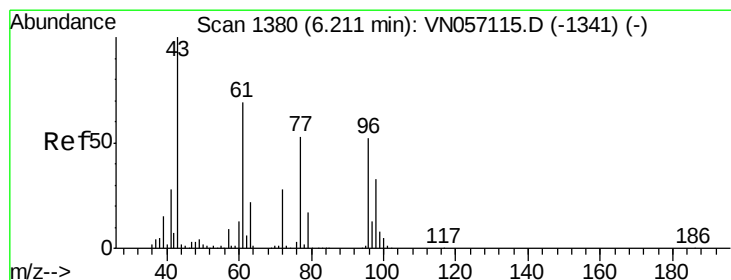
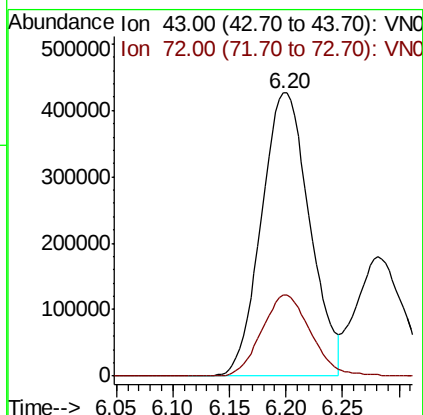
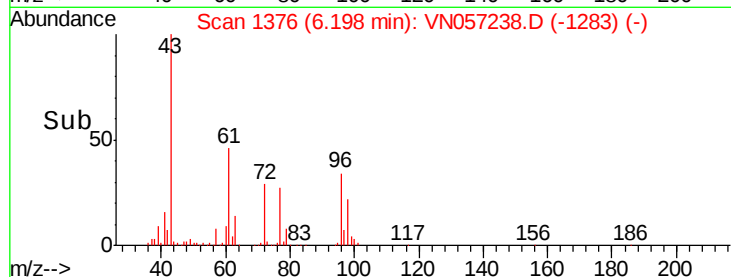
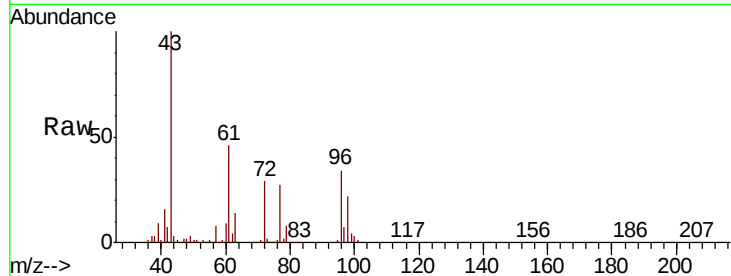




#25
2-Butanone
Concen: 258.947 ug/l
RT: 6.20 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

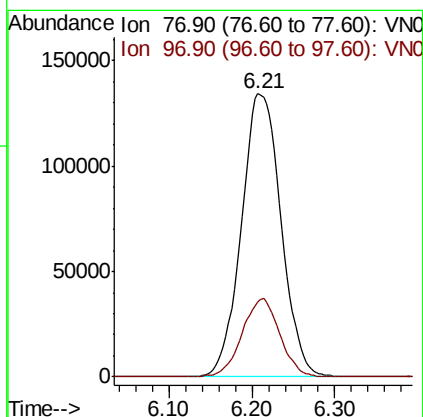
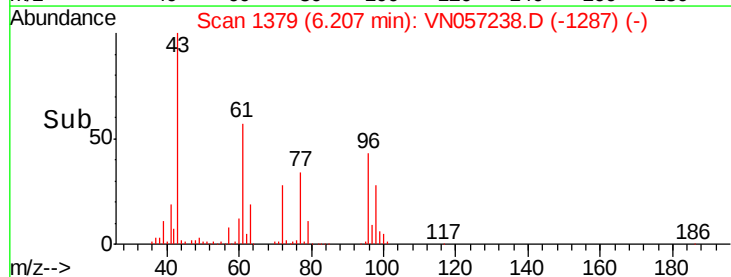
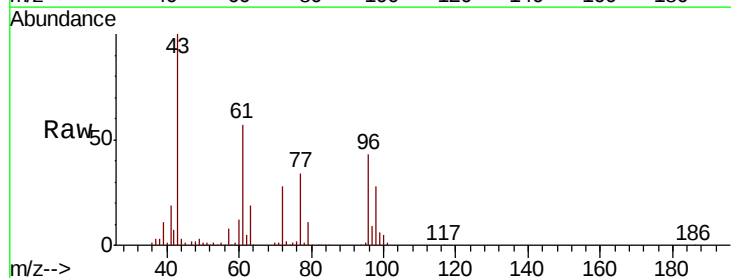
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

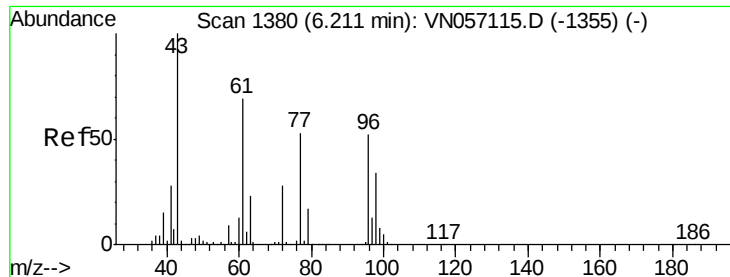
Tgt Ion: 43 Resp: 1264262
Ion Ratio Lower Upper
43 100
72 28.6 22.2 33.4



#26
2,2-Dichloropropane
Concen: 35.929 ug/l
RT: 6.21 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 77 Resp: 445933
Ion Ratio Lower Upper
77 100
97 26.3 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 48.289 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

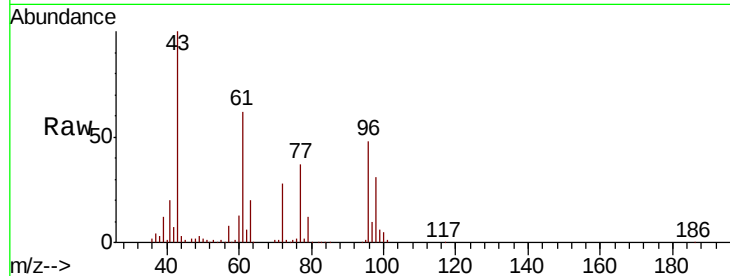
Tgt Ion: 96 Resp: 527585

Ion Ratio Lower Upper

96 100

61 132.9 0.0 273.4

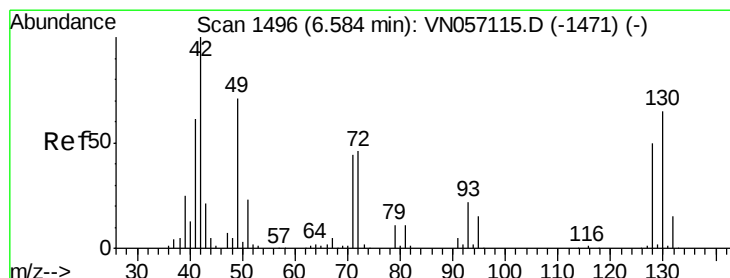
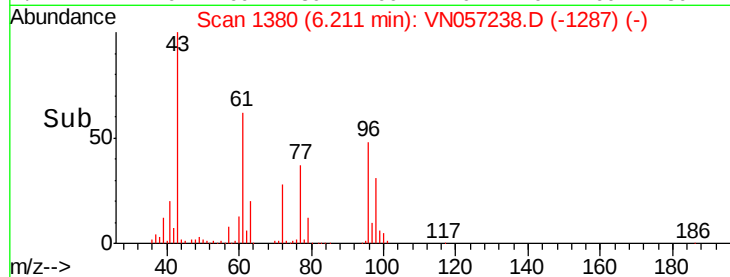
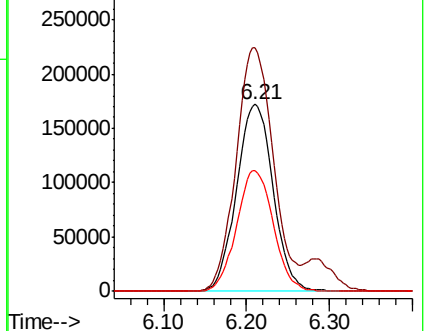
98 64.8 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN057238.D (-1287) (-)

Ion 60.90 (60.60 to 61.60): VN057238.D (-1287) (-)

Ion 97.90 (97.60 to 98.60): VN057238.D (-1287) (-)



#28

Bromochloromethane

Concen: 50.110 ug/l

RT: 6.58 min Scan# 1496

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

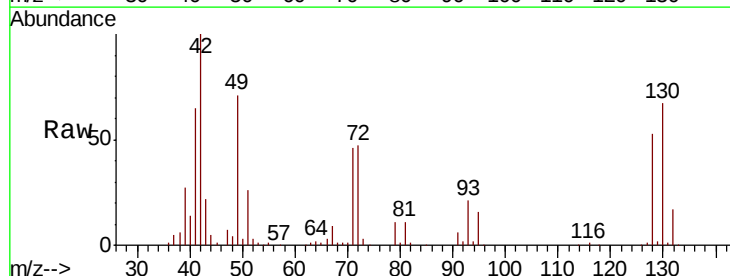
Tgt Ion: 49 Resp: 393210

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.8

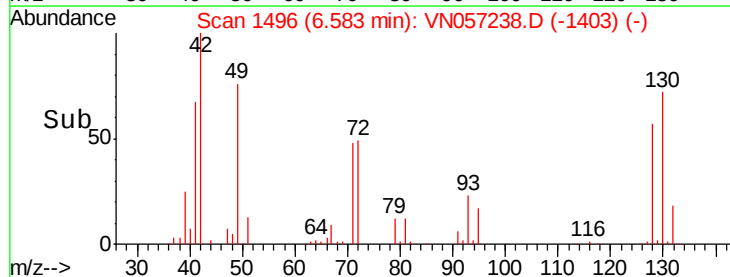
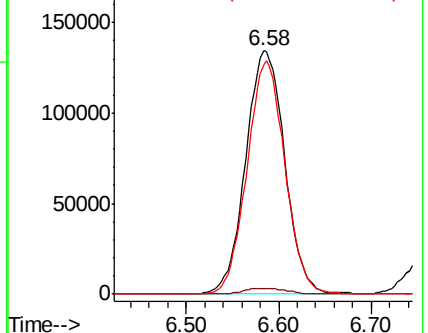
130 93.0 73.8 110.8

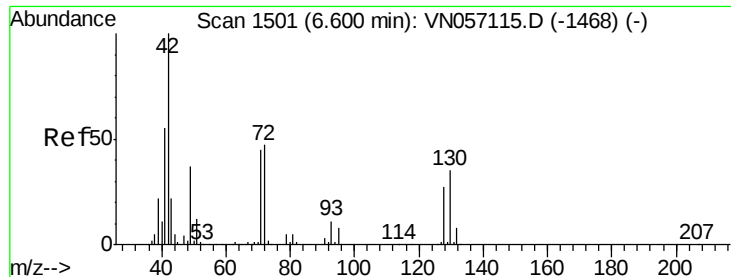


Abundance Ion 48.90 (48.60 to 49.60): VN057238.D (-1403) (-)

Ion 128.80 (128.50 to 129.50): VN057238.D (-1403) (-)

Ion 129.80 (129.50 to 130.50): VN057238.D (-1403) (-)





#29

Tetrahydrofuran

Concen: 250.604 ug/l

RT: 6.60 min Scan# 1501

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

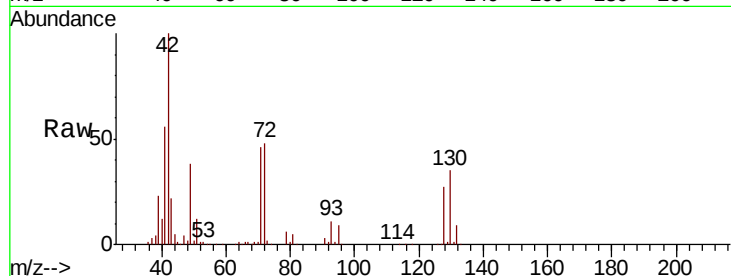
Tgt Ion: 42 Resp: 824221

Ion Ratio Lower Upper

42 100

72 47.8 37.1 55.7

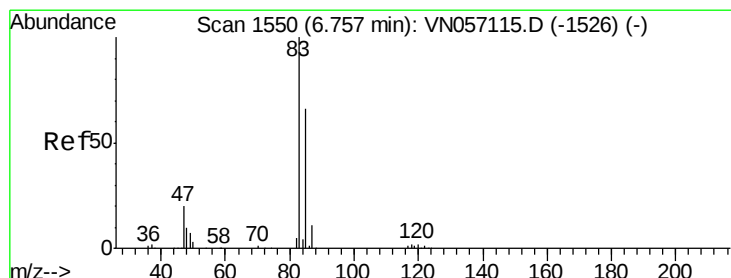
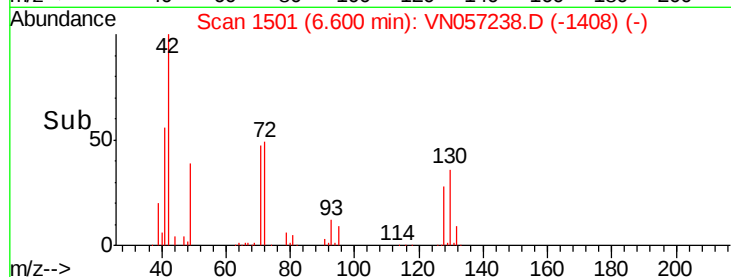
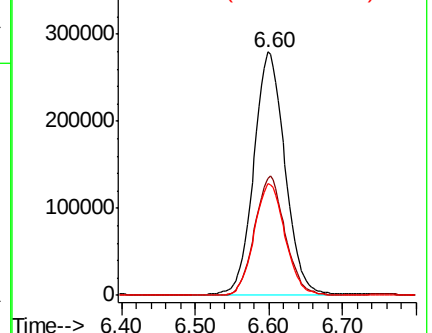
71 45.5 34.8 52.2



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: 47.780 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057238.D

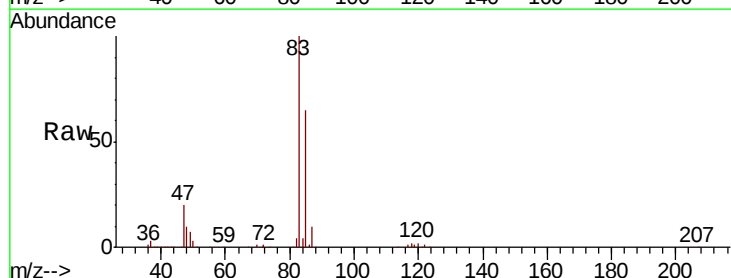
Acq: 13 Aug 2019 00:32

Tgt Ion: 83 Resp: 843653

Ion Ratio Lower Upper

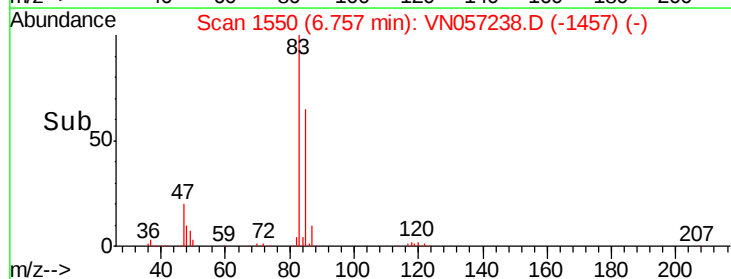
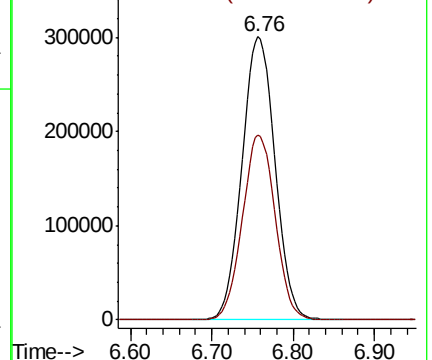
83 100

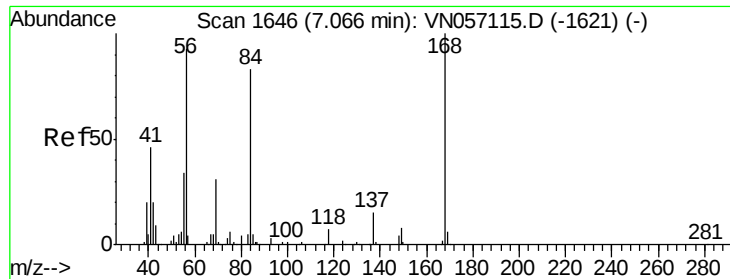
85 65.4 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

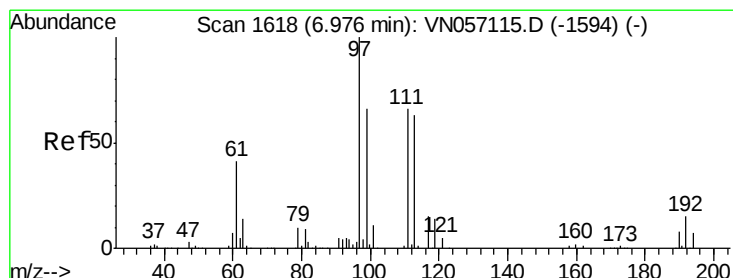
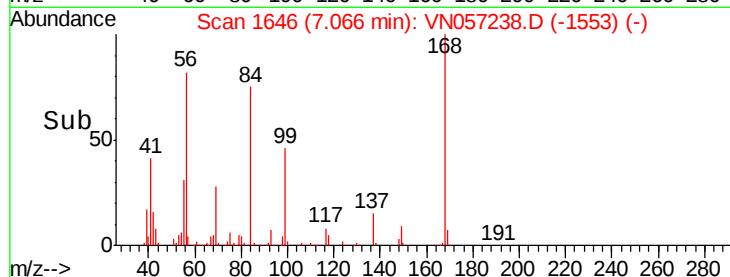
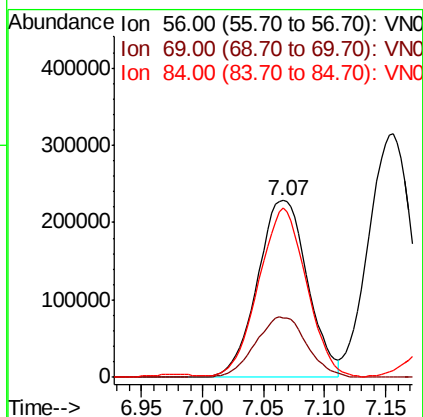
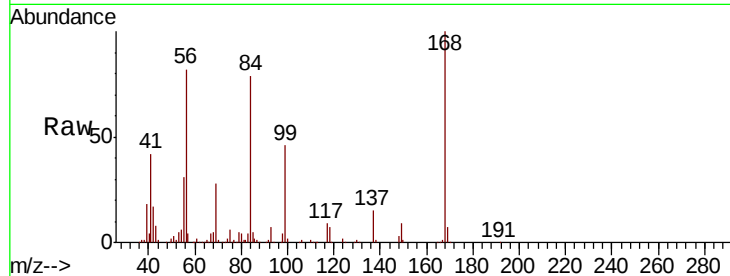




#31
Cyclohexane
Concen: 42.556 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

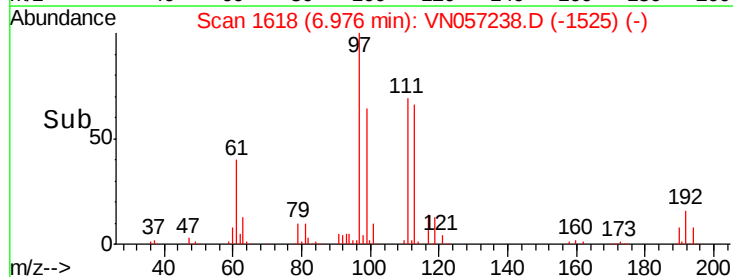
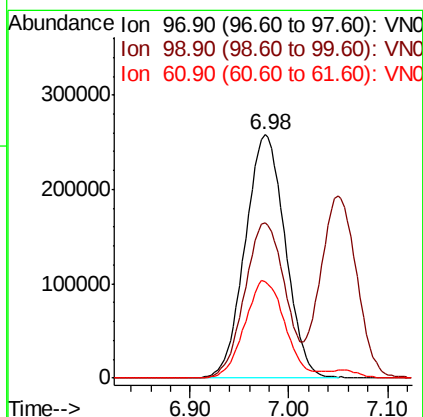
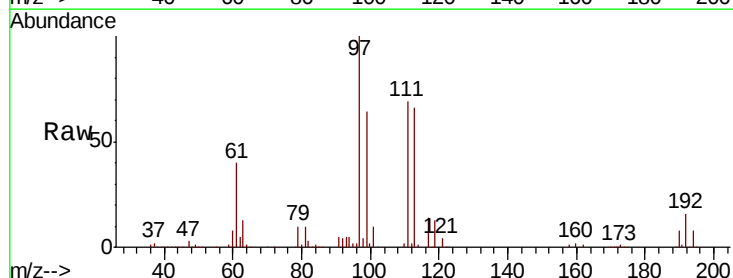
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

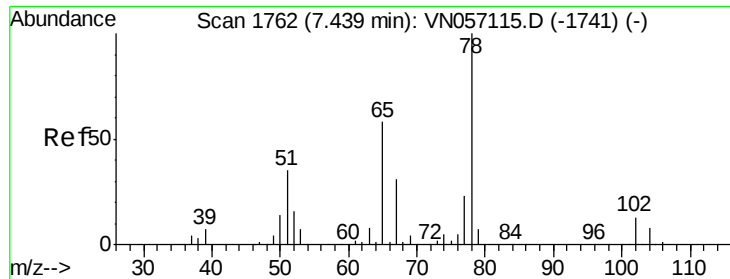
Tgt Ion: 56 Resp: 653163
Ion Ratio Lower Upper
56 100
69 33.8 26.9 40.3
84 94.3 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 48.885 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 97 Resp: 724100
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 40.5 32.7 49.1

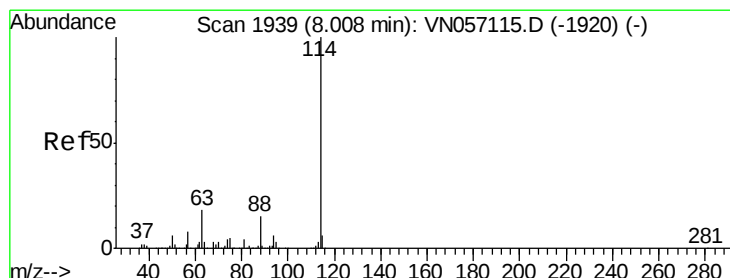
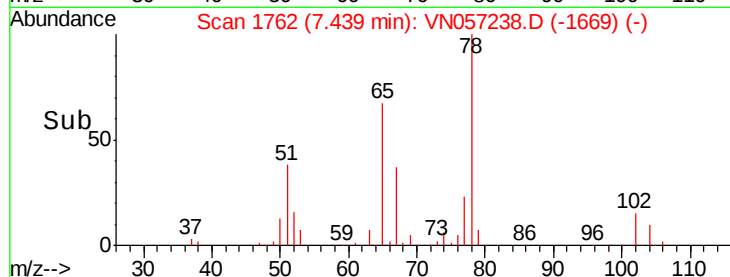
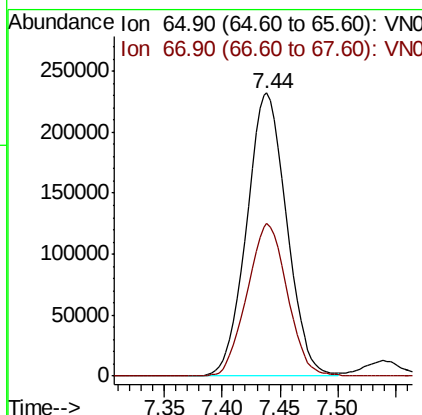
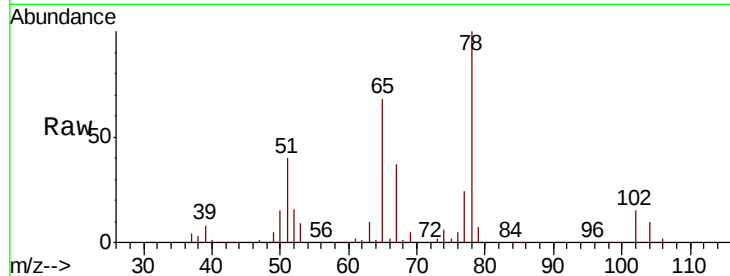




#33
 1,2-Dichloroethane-d4
 Concen: 52.680 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

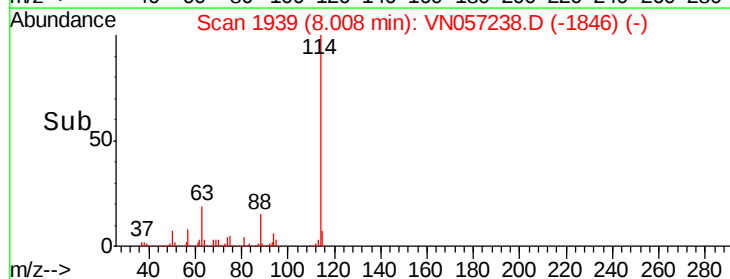
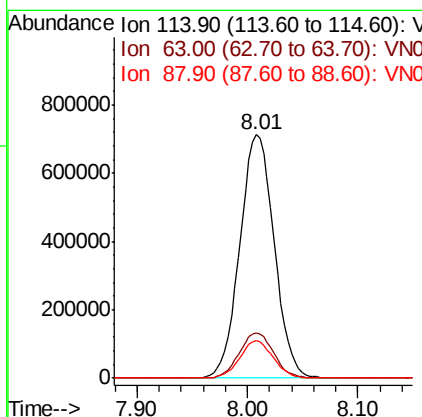
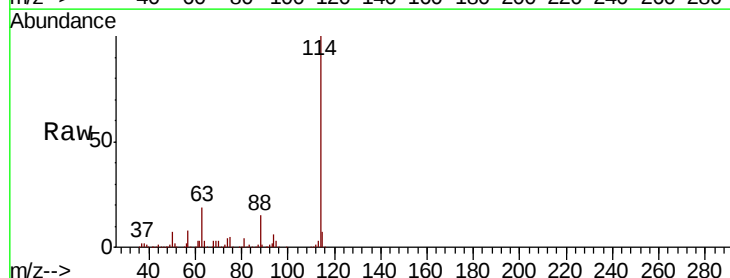
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

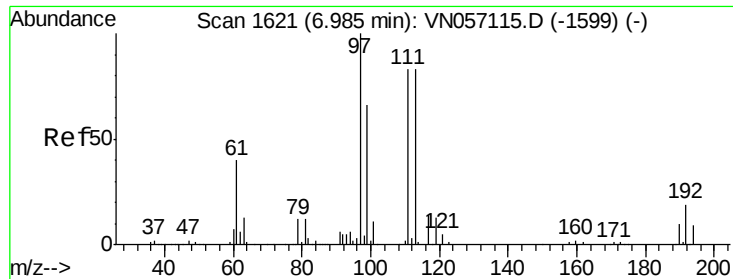
Tgt Ion: 65 Resp: 557424
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion: 114 Resp: 1540195
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 36.2
 88 15.3 0.0 30.0

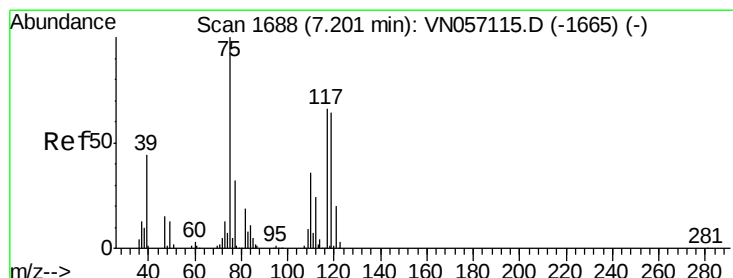
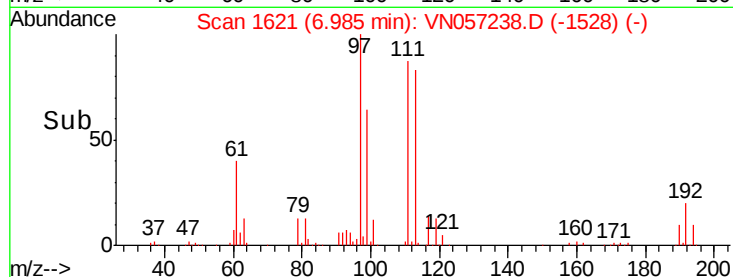
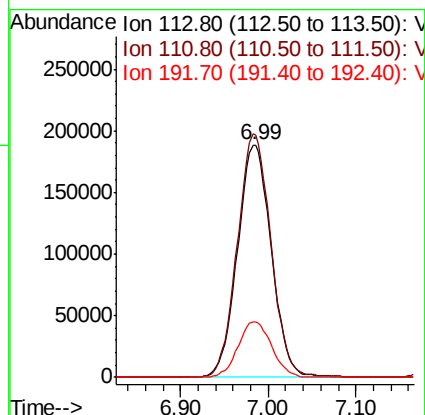
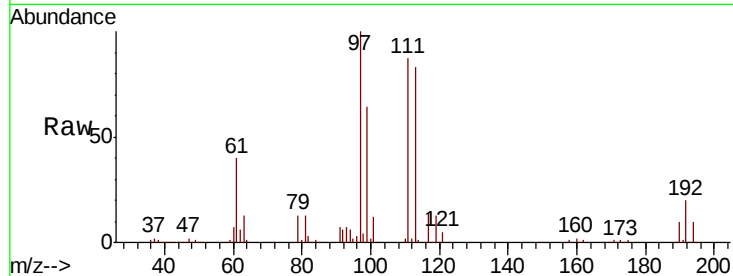




#35
 Dibromofluoromethane
 Concen: 52.301 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

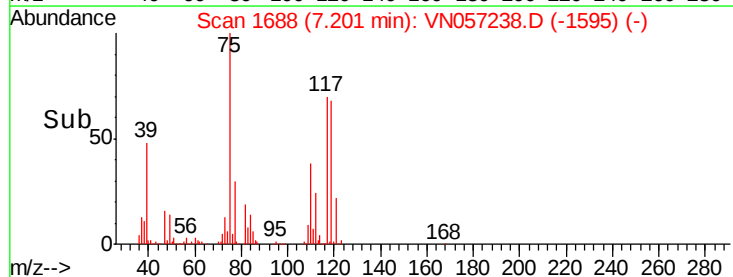
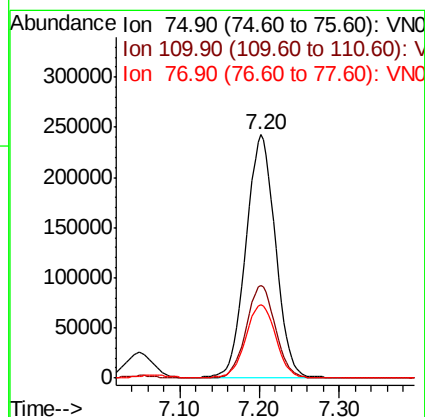
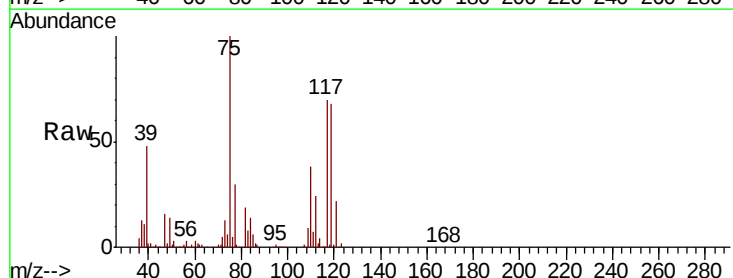
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

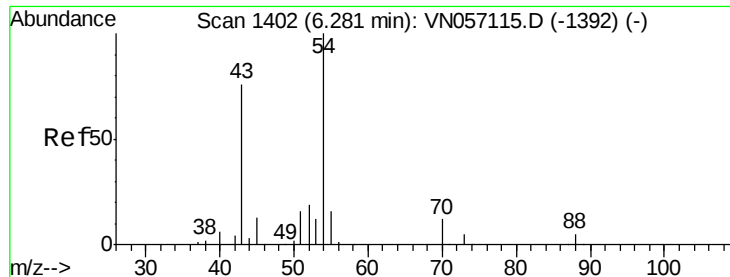
Tgt Ion: 113 Resp: 505484
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.3 121.9
 192 23.7 19.0 28.4



#36
 1,1-Dichloropropene
 Concen: 47.590 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion: 75 Resp: 603502
 Ion Ratio Lower Upper
 75 100
 110 37.6 18.7 56.1
 77 31.1 25.0 37.4

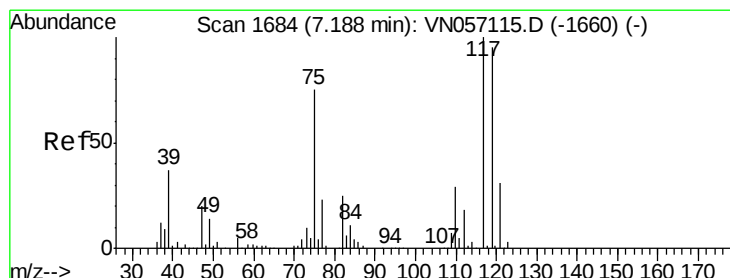
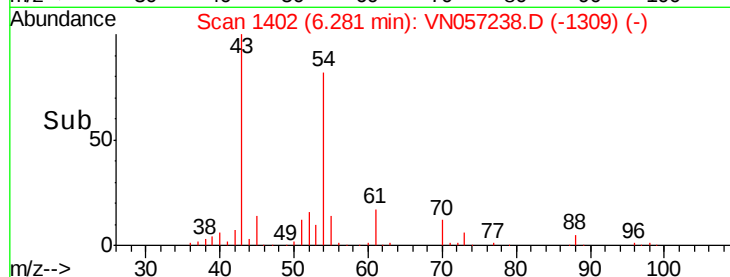
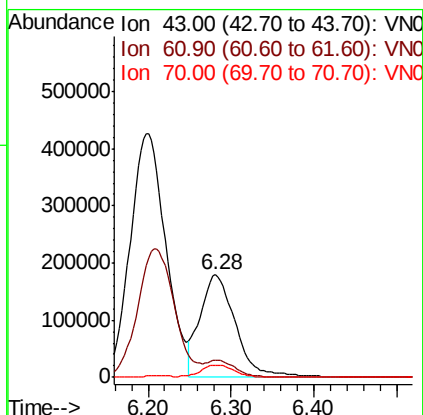
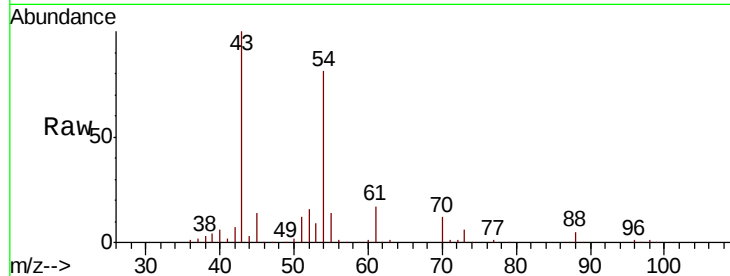




#37
Ethyl Acetate
Concen: 50.639 ug/l
RT: 6.28 min Scan# 1402
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

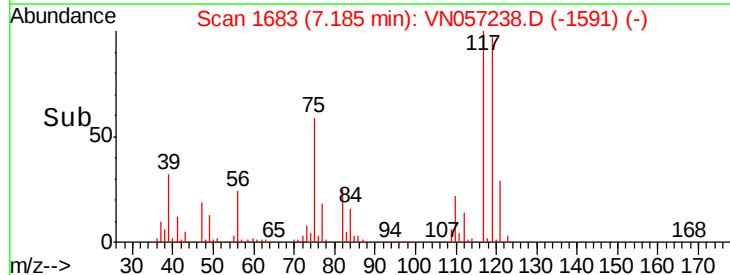
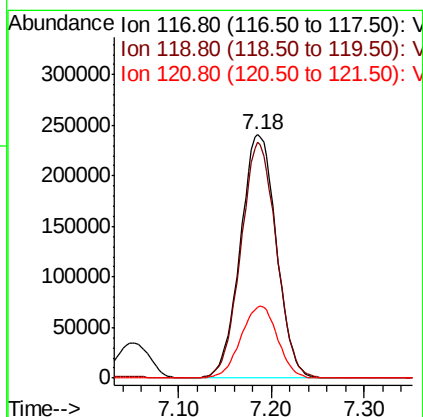
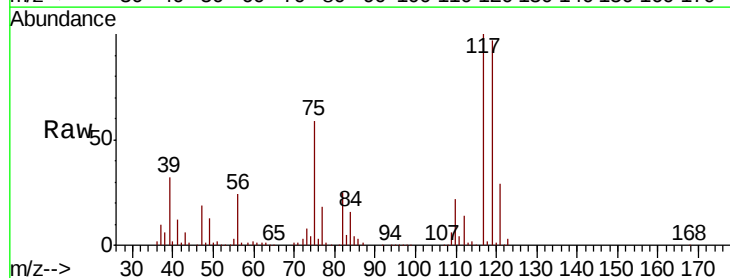
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

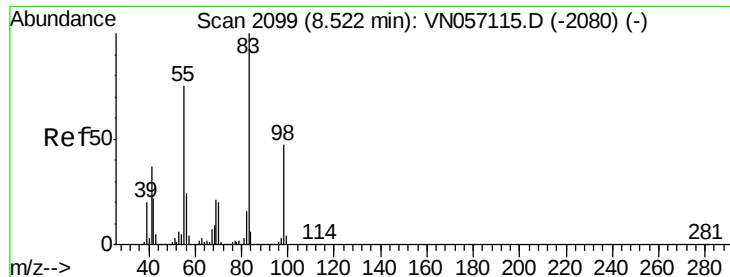
Tgt Ion: 43 Resp: 529362
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 12.0 9.1 13.7



#38
Carbon Tetrachloride
Concen: 49.118 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 117 Resp: 649143
Ion Ratio Lower Upper
117 100
119 97.0 75.8 113.6
121 29.4 24.4 36.6

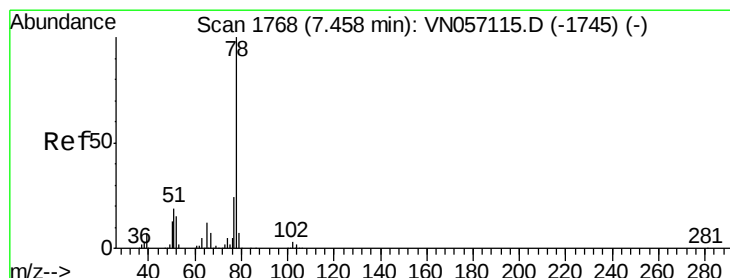
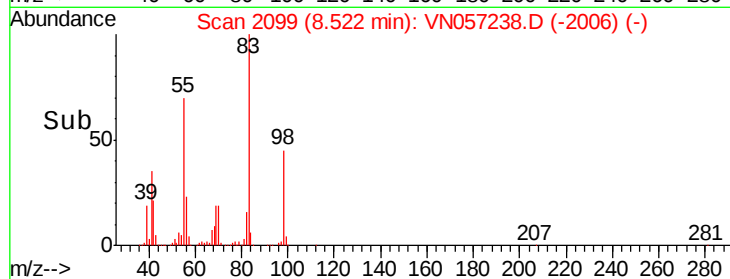
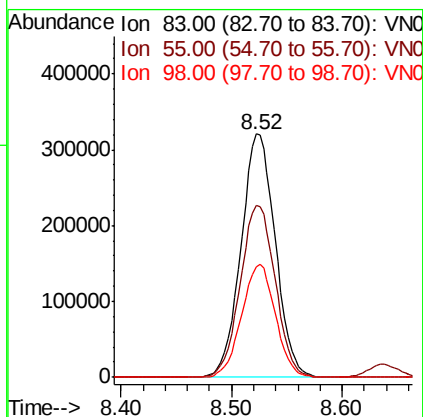
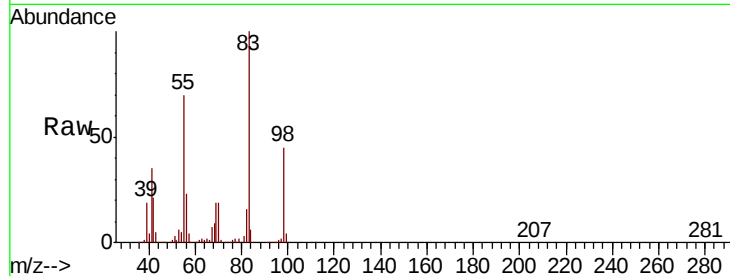




#39
Methylcyclohexane
Concen: 44.678 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

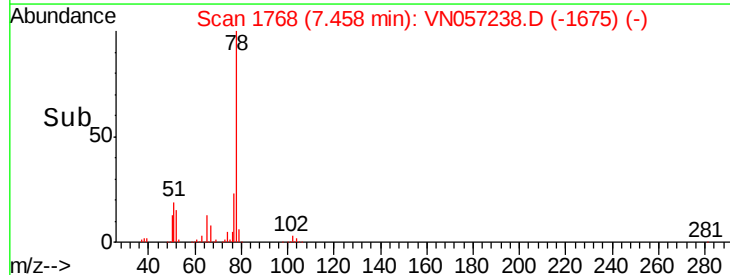
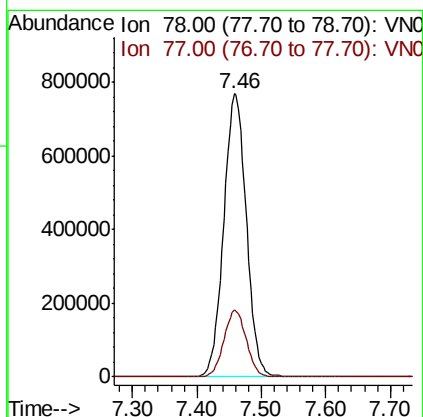
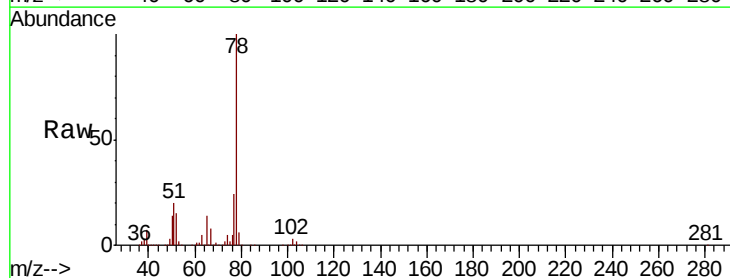
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

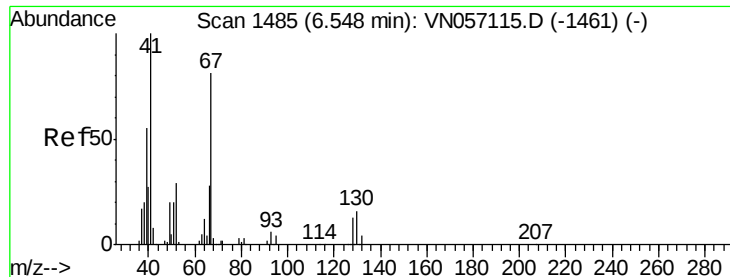
Tgt Ion: 83 Resp: 689003
Ion Ratio Lower Upper
83 100
55 70.4 60.3 90.5
98 45.3 37.9 56.9



#40
Benzene
Concen: 46.738 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 78 Resp: 1876333
Ion Ratio Lower Upper
78 100
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 48.003 ug/l

RT: 6.55 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 254897

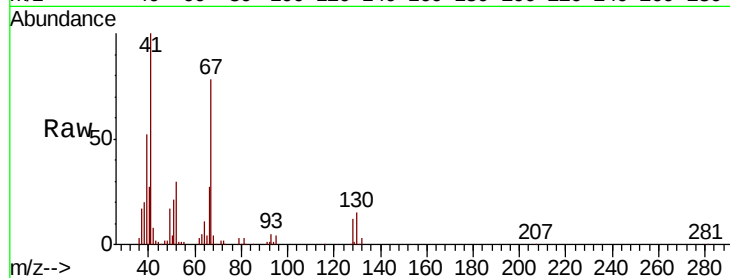
Ion Ratio Lower Upper

41 100

39 63.4 44.9 67.3

67 92.4 69.1 103.7

52 34.5 25.8 38.6



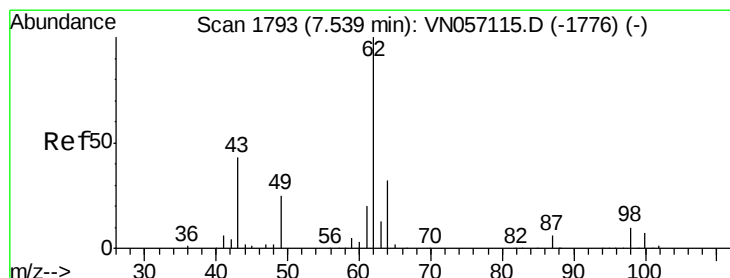
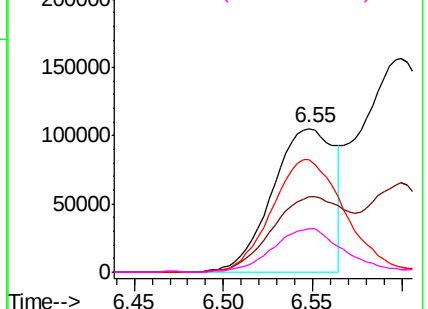
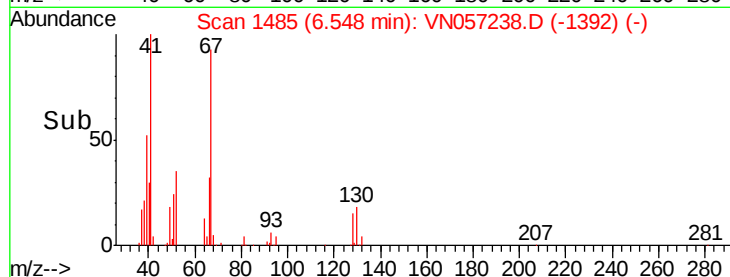
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 48.357 ug/l

RT: 7.54 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VN057238.D

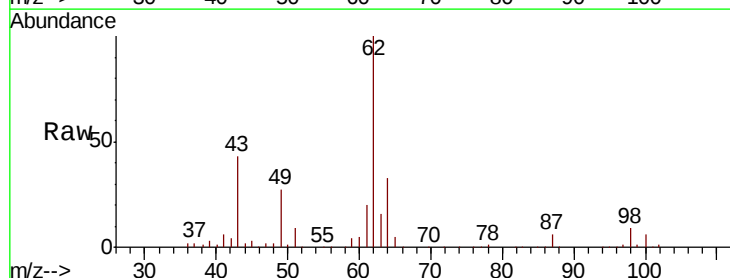
Acq: 13 Aug 2019 00:32

Tgt Ion: 62 Resp: 619134

Ion Ratio Lower Upper

62 100

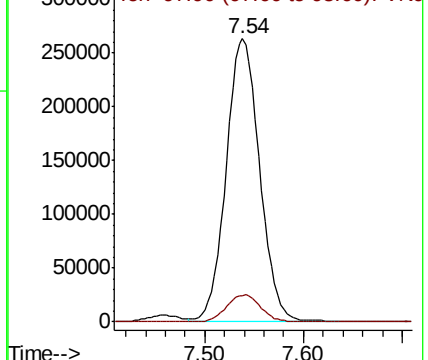
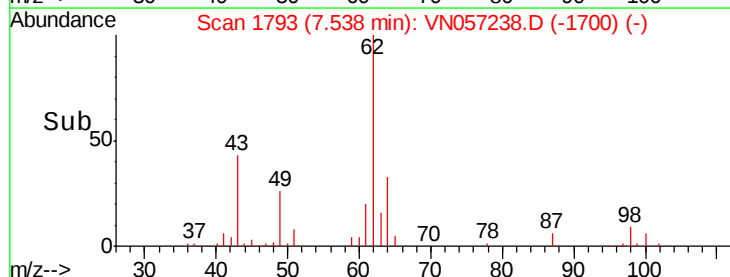
98 9.8 0.0 19.4

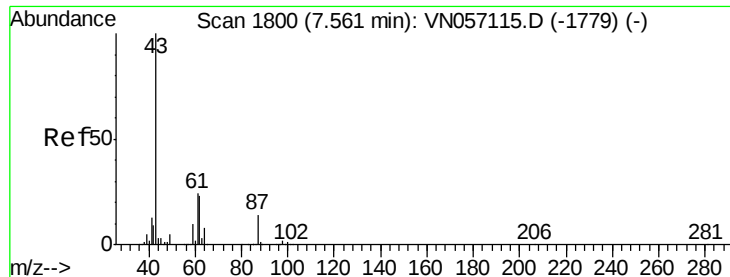


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 54.004 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

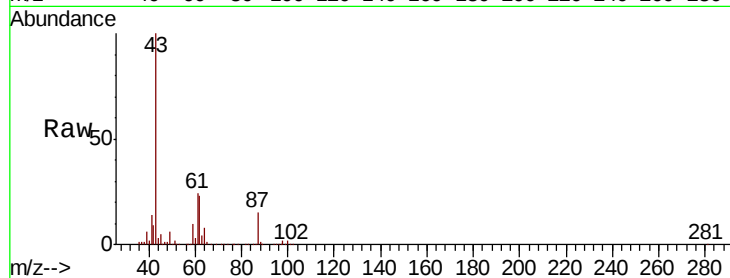
Tgt Ion: 43 Resp: 963401

Ion Ratio Lower Upper

43 100

61 27.3 24.2 36.2

87 14.1 11.8 17.8

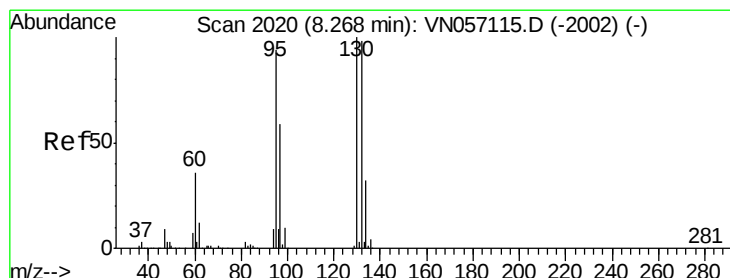
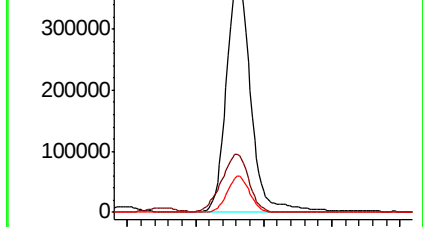
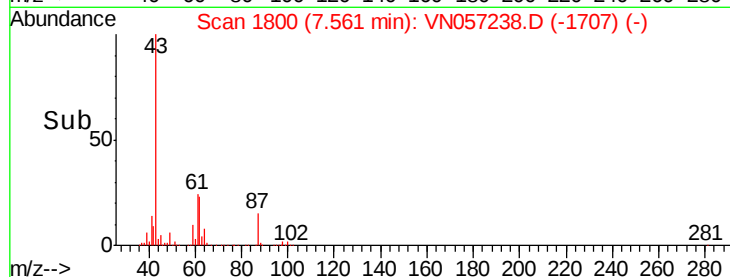


Abundance Ion 43.00 (42.70 to 43.70): VN057115.D (-1779) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 47.496 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057238.D

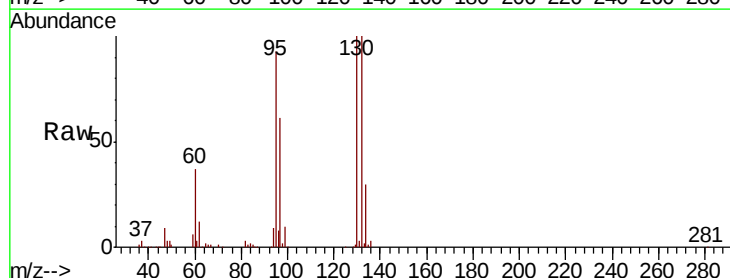
Acq: 13 Aug 2019 00:32

Tgt Ion: 130 Resp: 534191

Ion Ratio Lower Upper

130 100

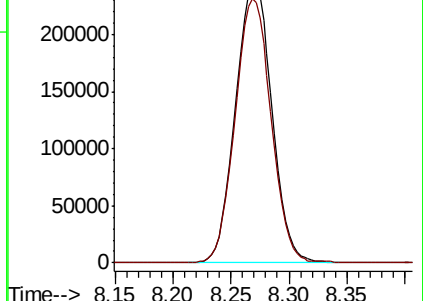
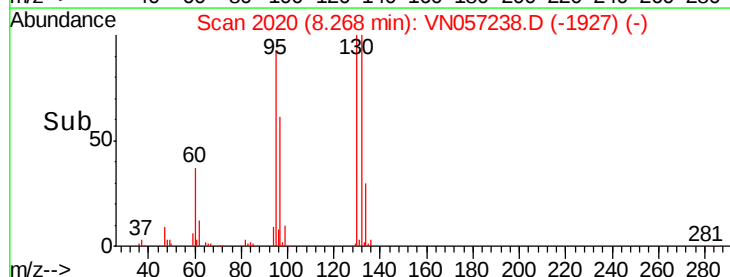
95 93.2 0.0 187.4

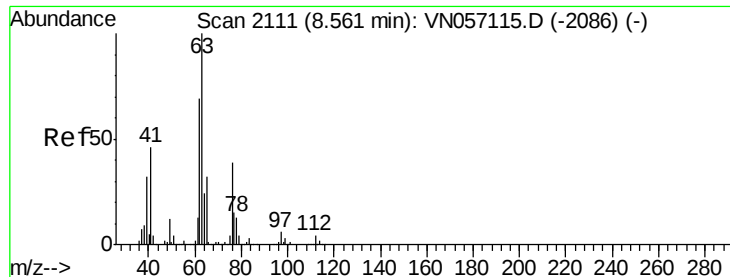


Abundance Ion 129.80 (129.50 to 130.50): VN057115.D (-2002) (-)

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

Time-->

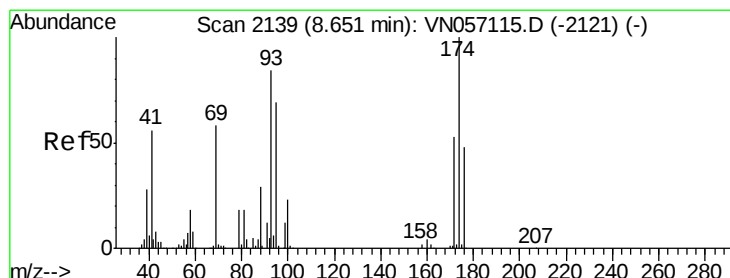
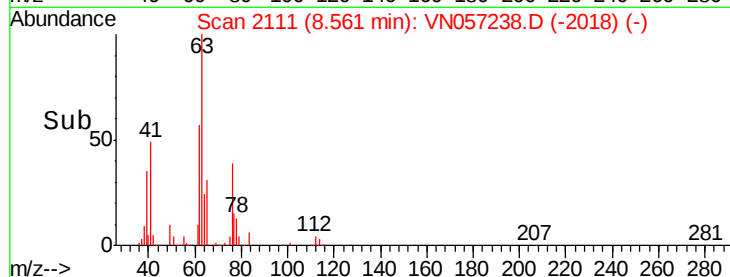
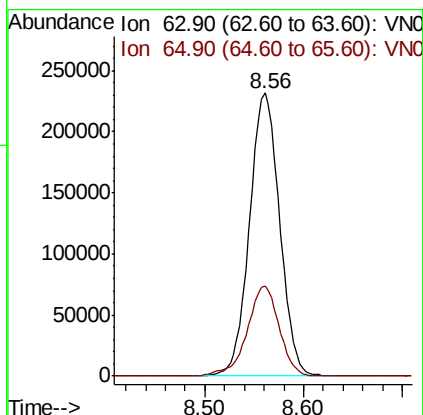
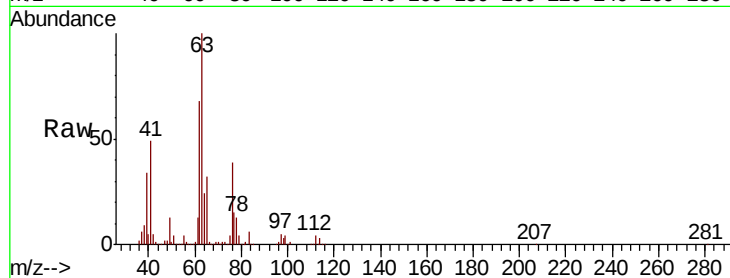




#45
 1,2-Dichloropropane
 Concen: 47.082 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

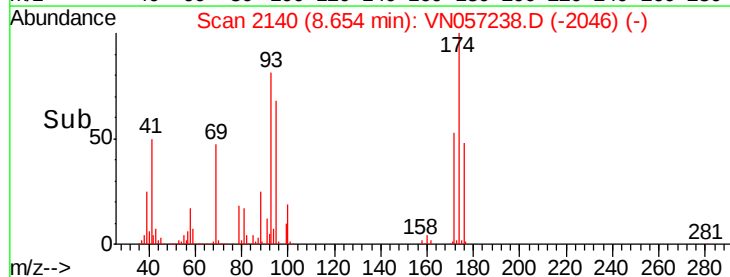
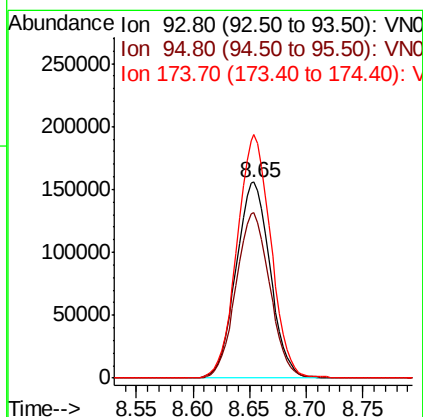
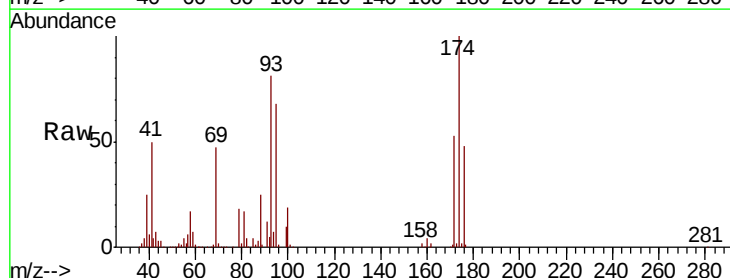
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

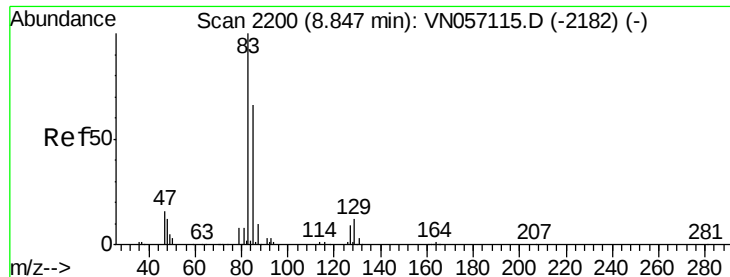
Tgt Ion: 63 Resp: 489401
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.2 37.8



#46
 Dibromomethane
 Concen: 49.196 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion: 93 Resp: 327888
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.0 99.0
 174 122.7 96.0 144.0





#47

Bromodichloromethane

Concen: 50.520 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

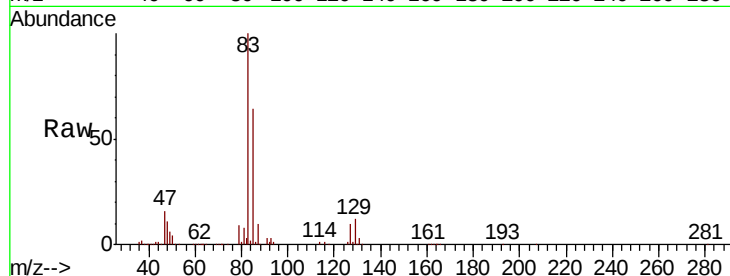
Tgt Ion: 83 Resp: 651508

Ion Ratio Lower Upper

83 100

85 64.2 52.6 78.8

127 10.0 7.5 11.3

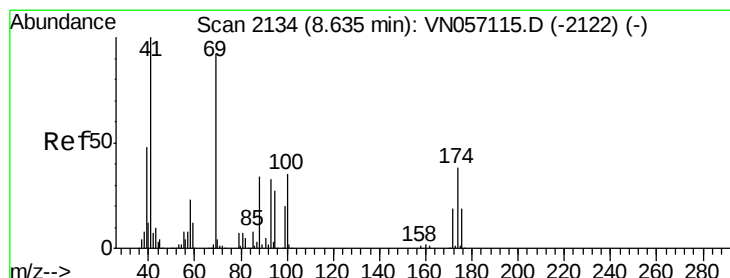
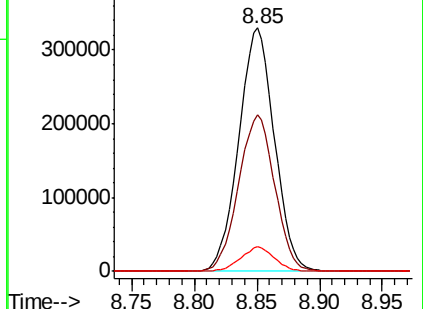
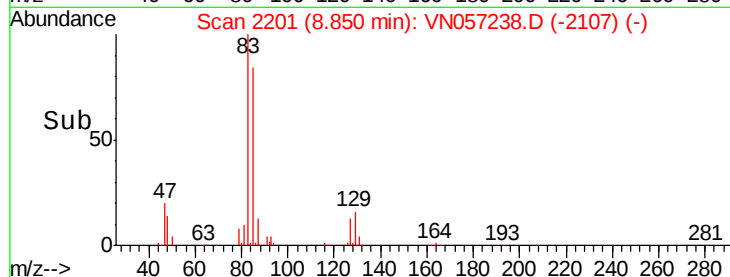


Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-2182) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-2182) (-)

Ion 126.80 (126.50 to 127.50): VN057115.D (-2182) (-)

8.85



#48

Methyl methacrylate

Concen: 49.281 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

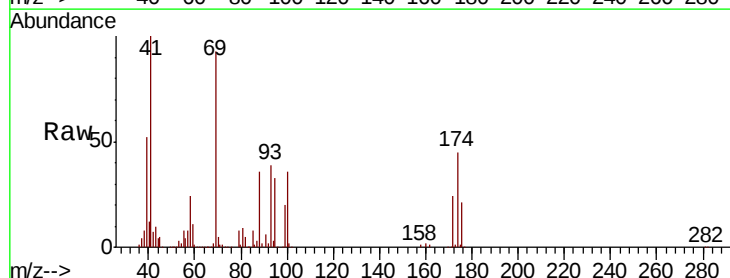
Tgt Ion: 41 Resp: 414555

Ion Ratio Lower Upper

41 100

69 97.1 77.5 116.3

39 51.3 39.8 59.6

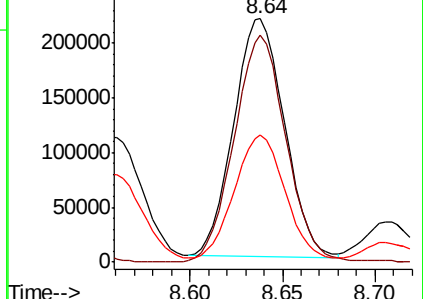
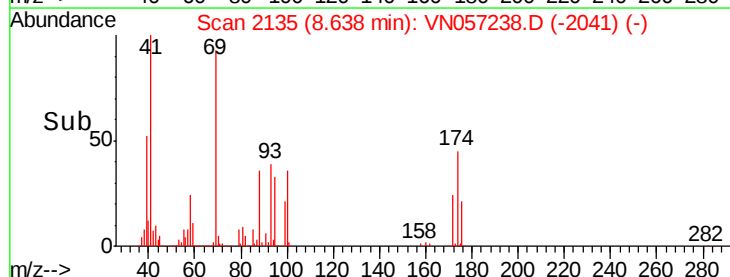


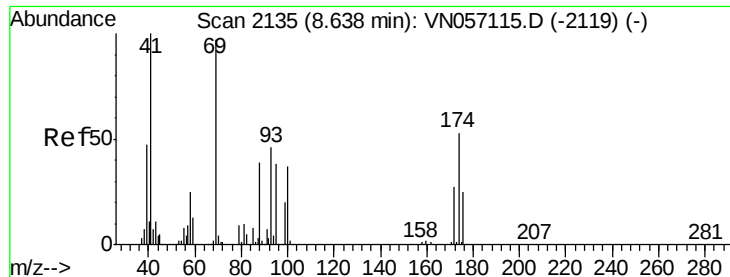
Abundance Ion 41.00 (40.70 to 41.70): VN057115.D (-2122) (-)

Ion 69.00 (68.70 to 69.70): VN057115.D (-2122) (-)

Ion 39.00 (38.70 to 39.70): VN057115.D (-2122) (-)

8.64

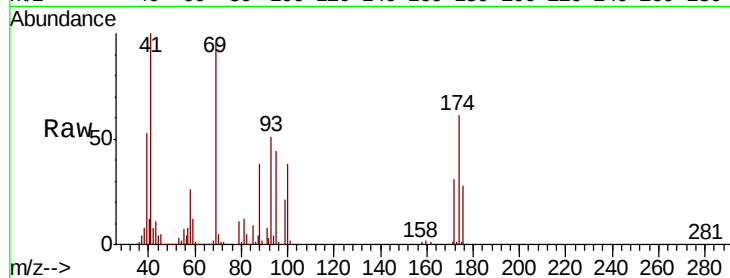




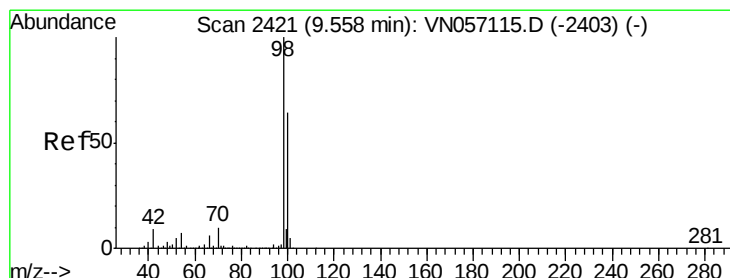
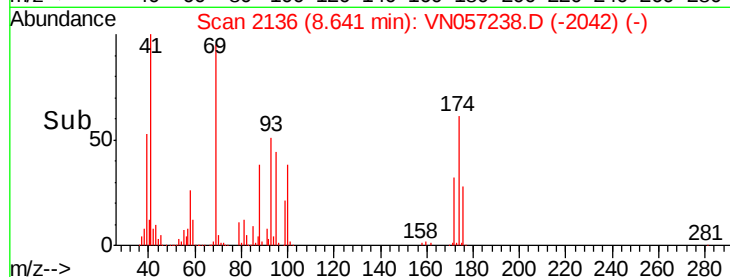
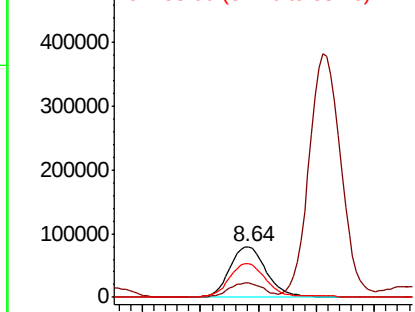
#49
1,4-Dioxane
Concen: 1028.985 ug/l
RT: 8.64 min Scan# 2136
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 176293
Ion Ratio Lower Upper
88 100
43 26.3 21.7 32.5
58 66.9 51.1 76.7

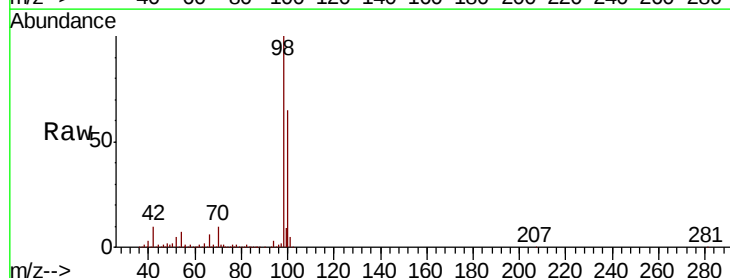


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

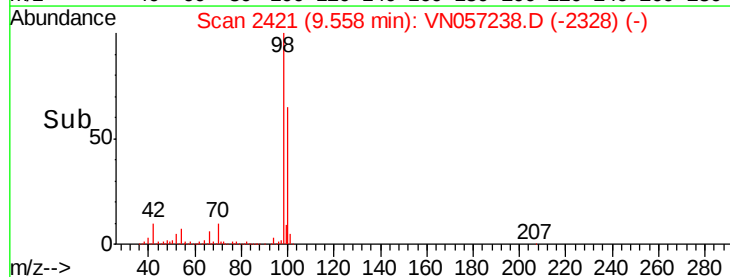
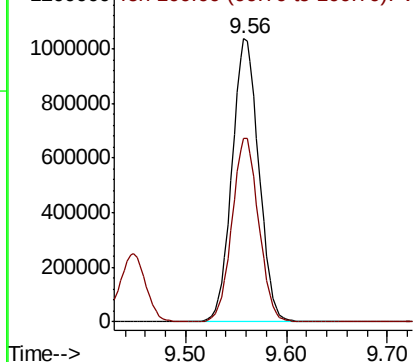


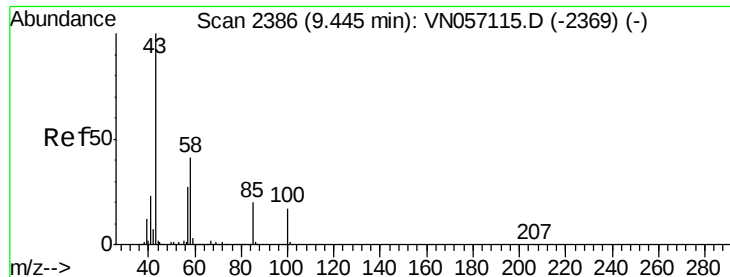
#50
Toluene-d8
Concen: 51.800 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 98 Resp: 1915370
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8



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

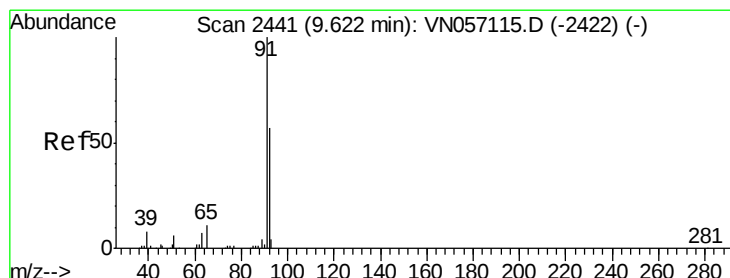
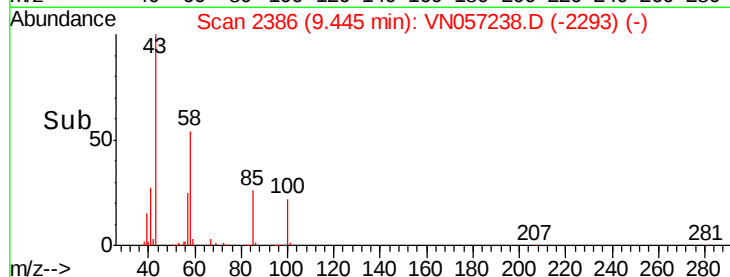
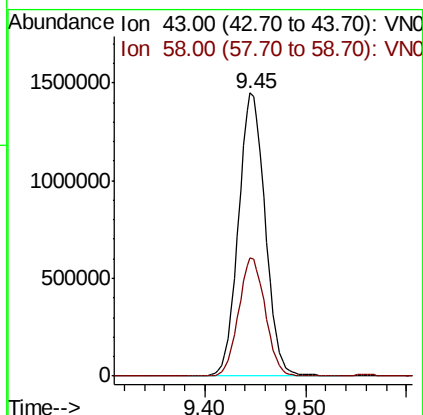
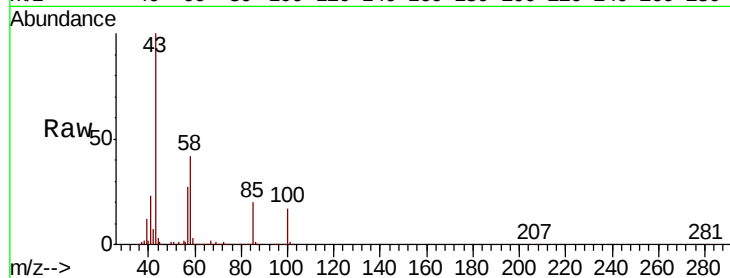




#51
 4-Methyl-2-Pentanone
 Concen: 255.409 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

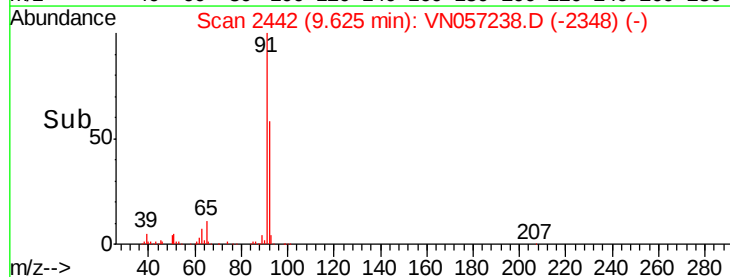
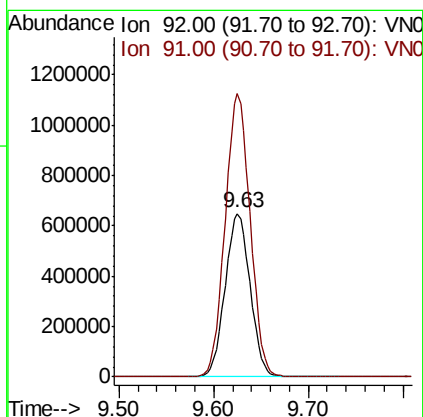
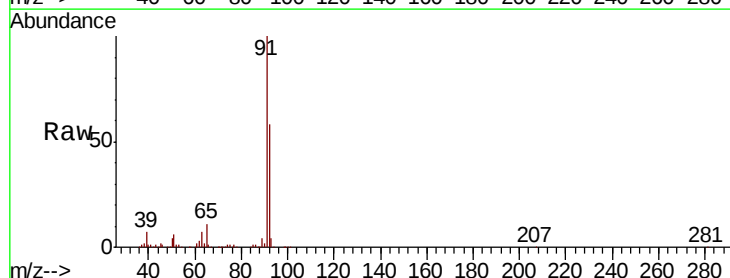
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

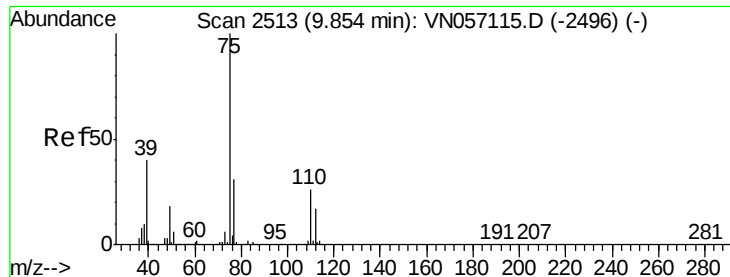
Tgt Ion: 43 Resp: 2651769
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.2 49.8



#52
 Toluene
 Concen: 47.803 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion: 92 Resp: 1191210
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 49.579 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

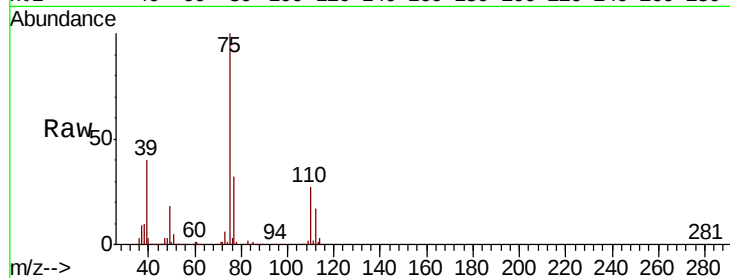
VSTDCCC050EC

Tgt Ion: 75 Resp: 667957

Ion Ratio Lower Upper

75 100

77 32.5 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

9.86

400000

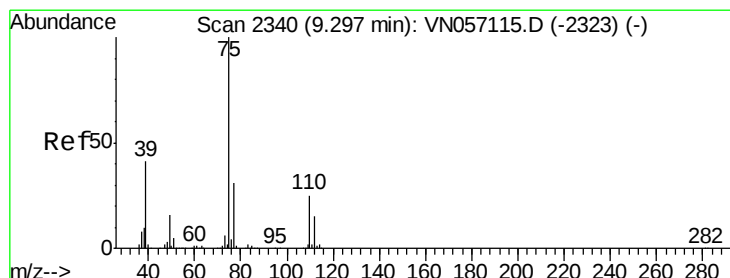
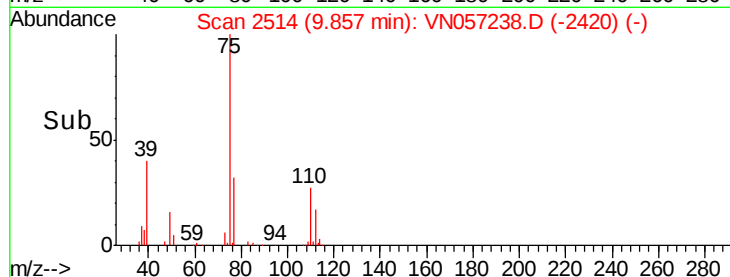
300000

200000

100000

0

Time--> 9.75 9.80 9.85 9.90 9.95



#54

cis-1,3-Dichloropropene

Concen: 47.650 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

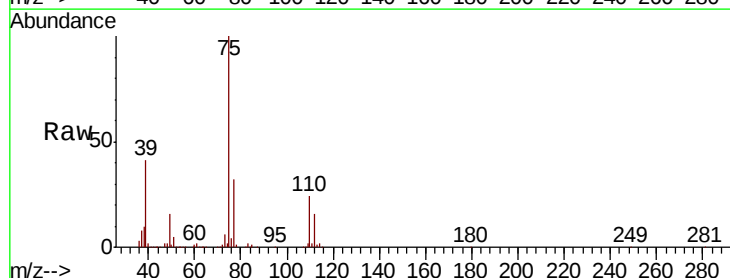
Tgt Ion: 75 Resp: 736630

Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 41.2 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

9.30

500000

400000

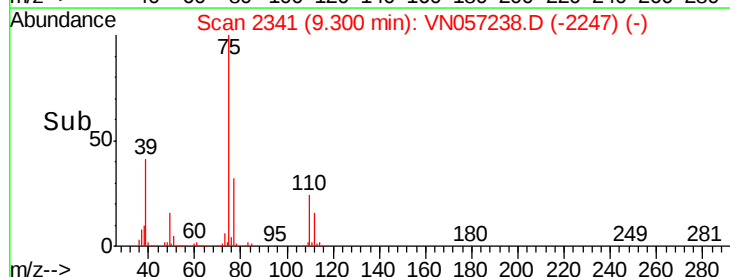
300000

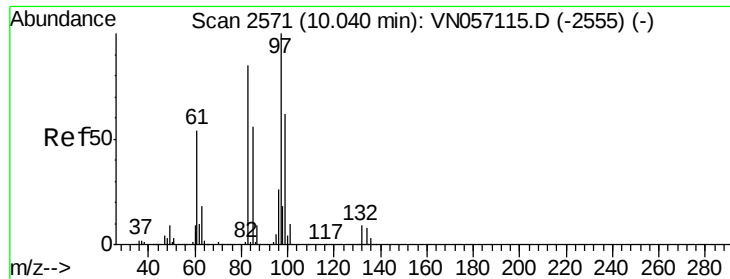
200000

100000

0

Time--> 9.20 9.30 9.40





#55

1,1,2-Trichloroethane

Concen: 48.618 ug/l

RT: 10.04 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 476419

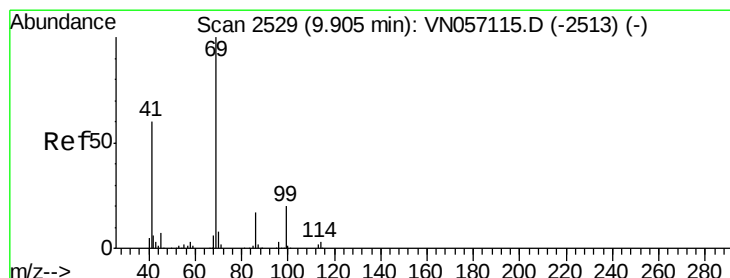
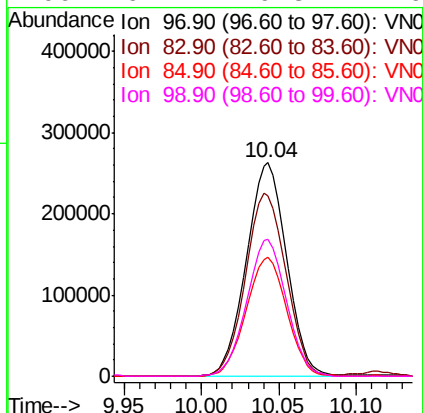
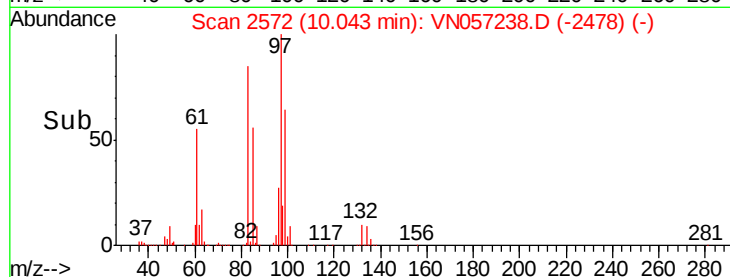
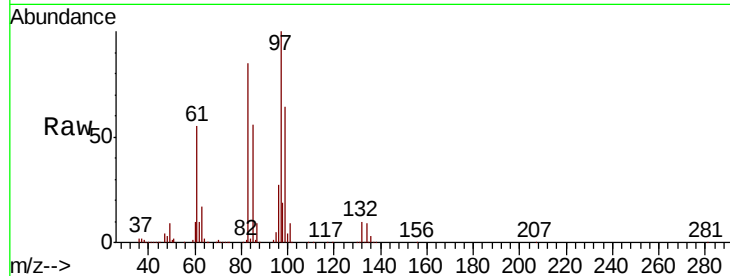
Ion Ratio Lower Upper

97 100

83 84.6 67.8 101.8

85 55.5 44.4 66.6

99 64.1 49.8 74.6



#56

Ethyl methacrylate

Concen: 51.052 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

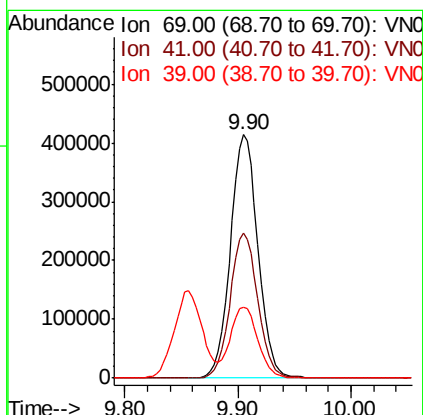
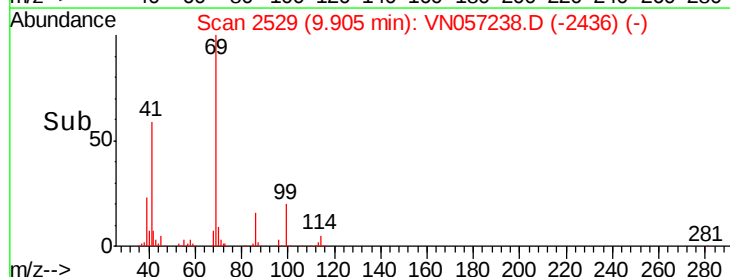
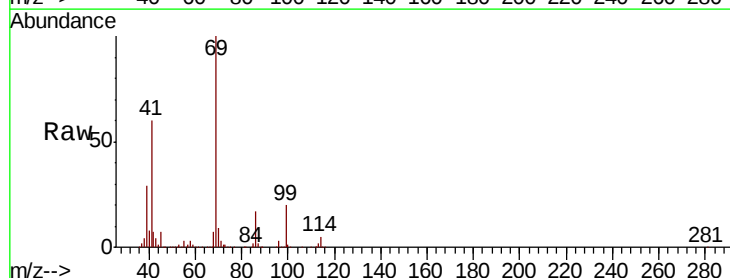
Tgt Ion: 69 Resp: 700458

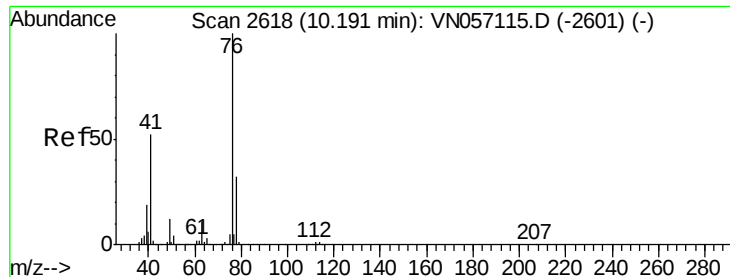
Ion Ratio Lower Upper

69 100

41 59.4 48.1 72.1

39 29.4 23.6 35.4

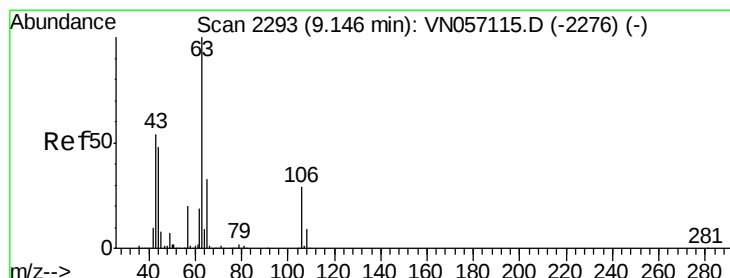
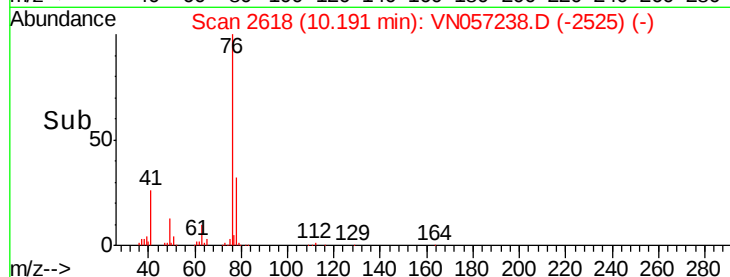
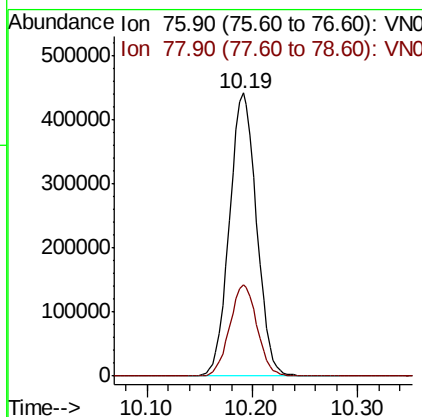
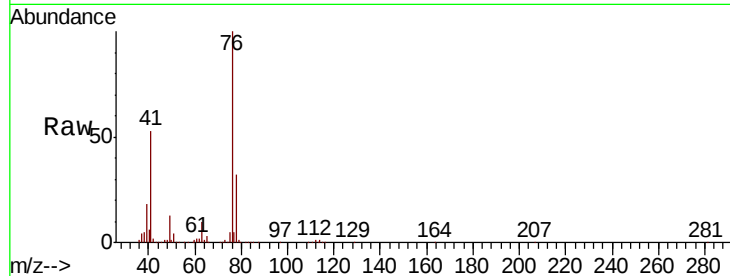




#57
 1,3-Dichloropropane
 Concen: 48.581 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

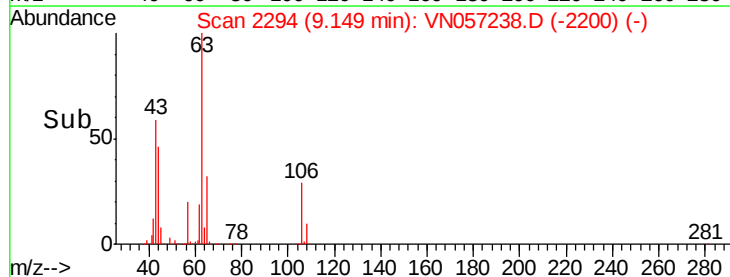
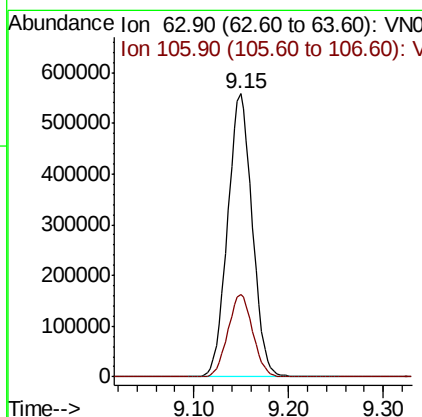
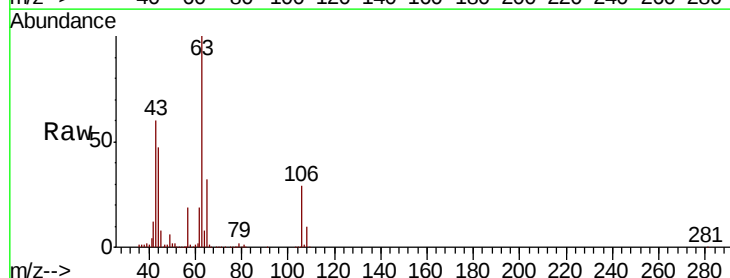
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

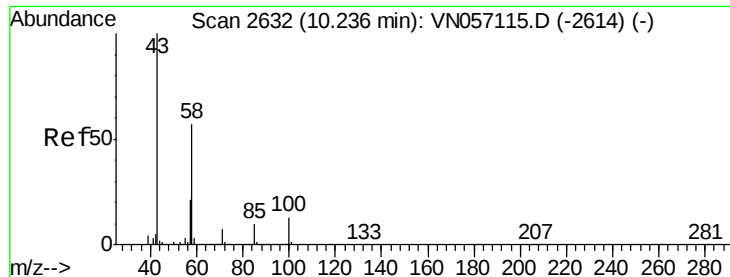
Tgt Ion: 76 Resp: 785053
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 187.960 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion: 63 Resp: 1009521
 Ion Ratio Lower Upper
 63 100
 106 29.3 22.6 33.8

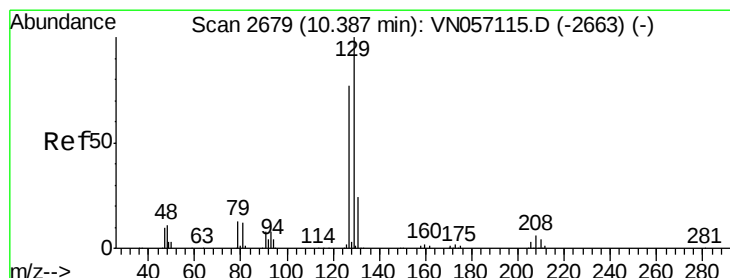
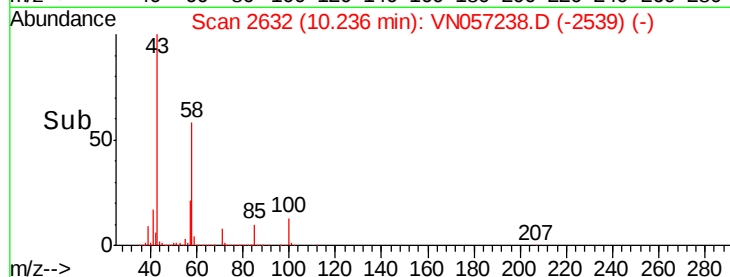
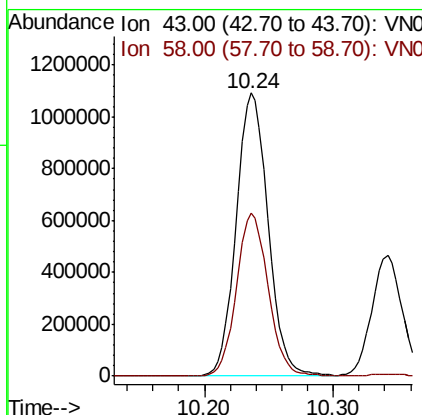
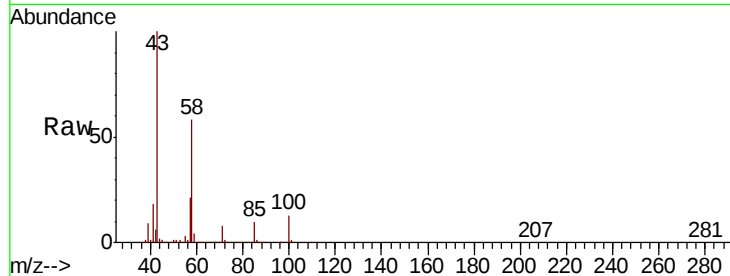




#59
2-Hexanone
Concen: 267.083 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

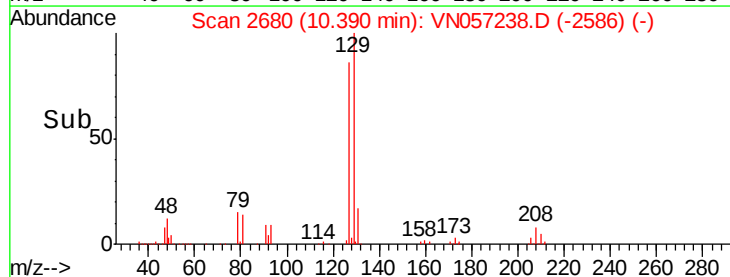
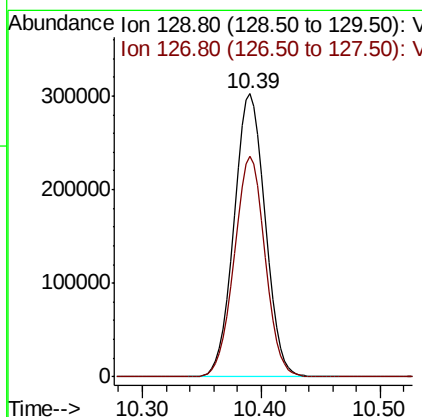
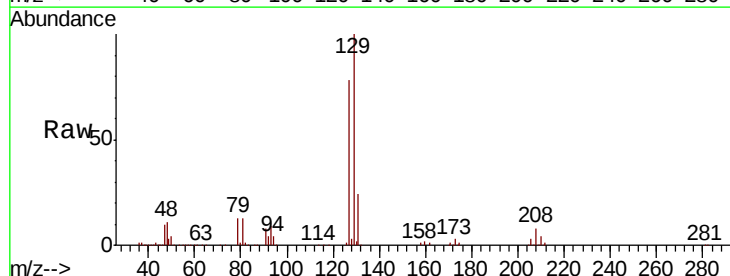
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

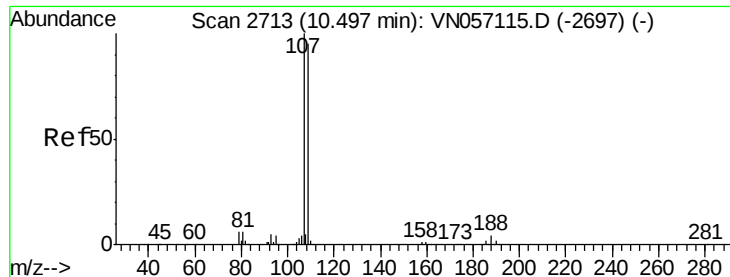
Tgt Ion: 43 Resp: 1876721
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6



#60
Dibromochloromethane
Concen: 53.250 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 129 Resp: 548025
Ion Ratio Lower Upper
129 100
127 77.2 38.6 116.0





#61

1,2-Dibromoethane

Concen: 49.872 ug/l

RT: 10.50 min Scan# 2713

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

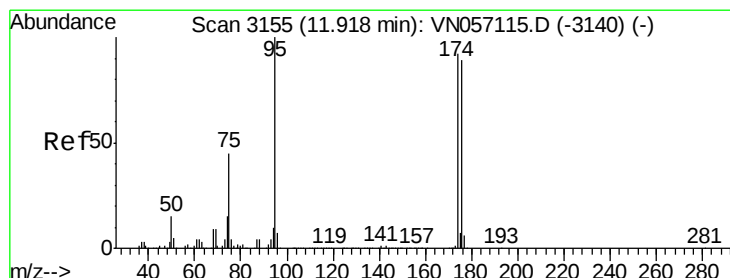
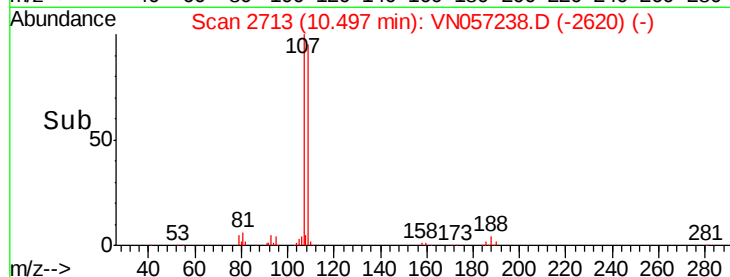
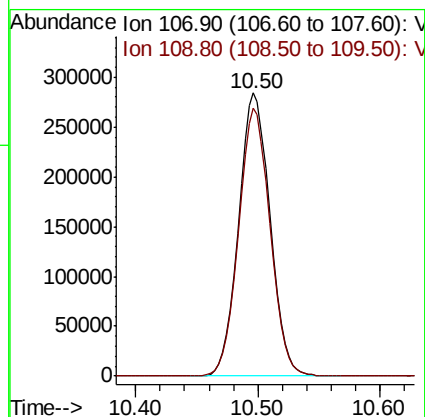
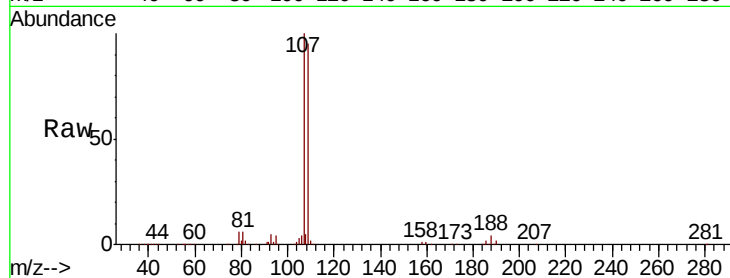
VSTDCCC050EC

Tgt Ion: 107 Resp: 504295

Ion Ratio Lower Upper

107 100

109 94.9 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 54.523 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

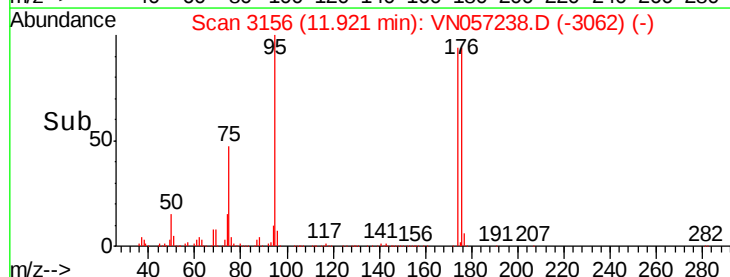
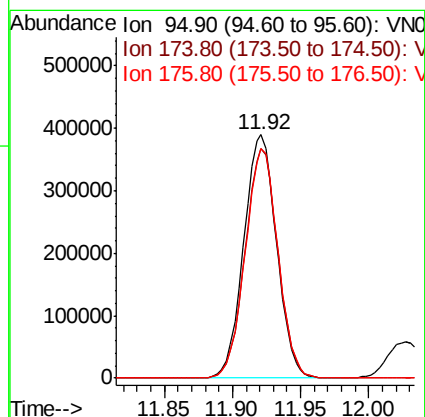
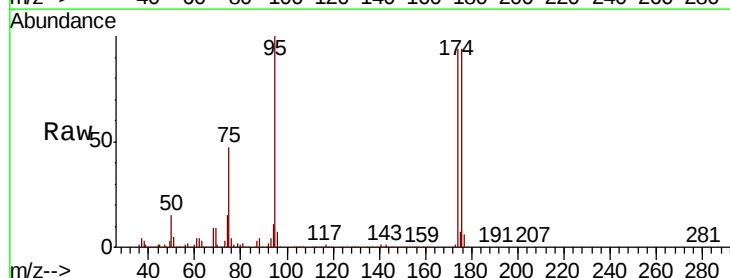
Tgt Ion: 95 Resp: 649592

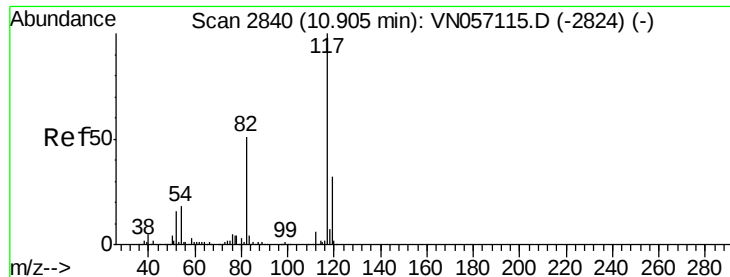
Ion Ratio Lower Upper

95 100

174 94.2 0.0 185.0

176 94.2 0.0 181.2

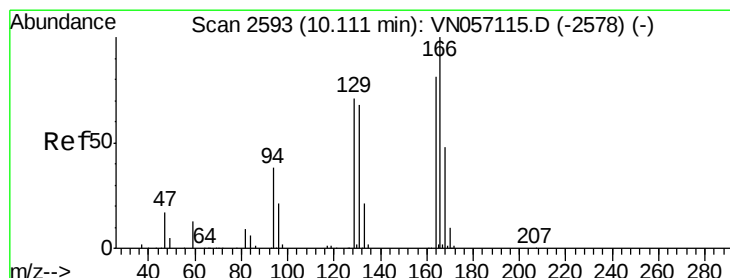
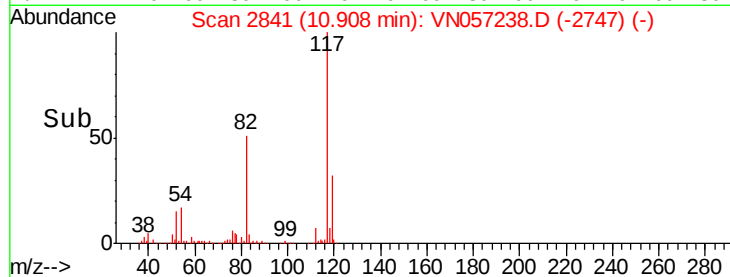
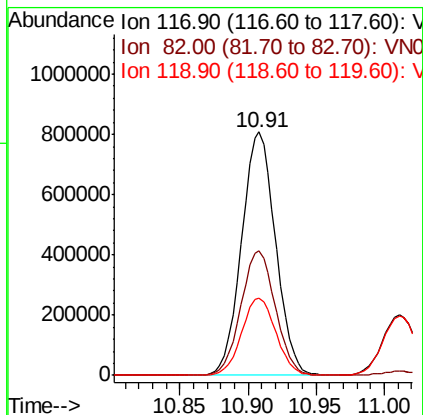
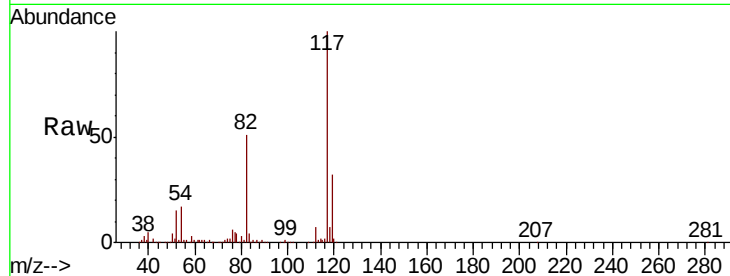




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

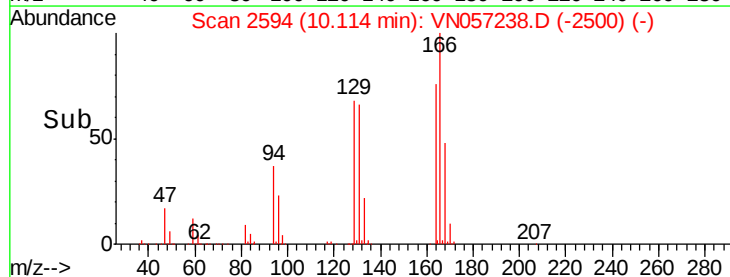
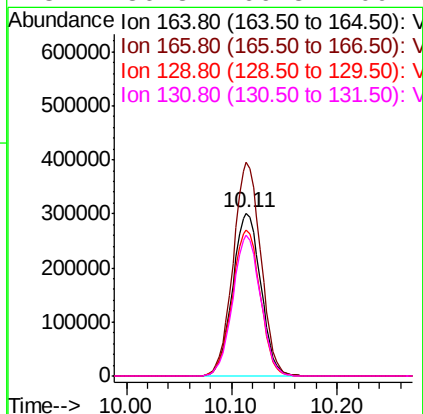
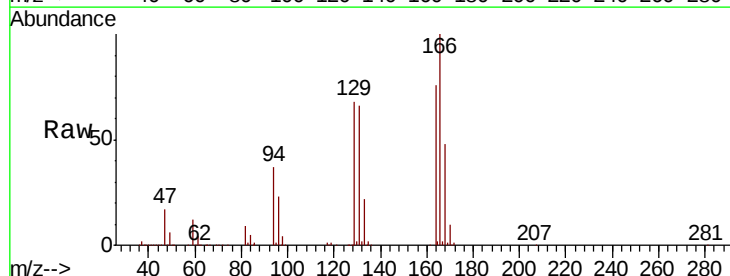
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

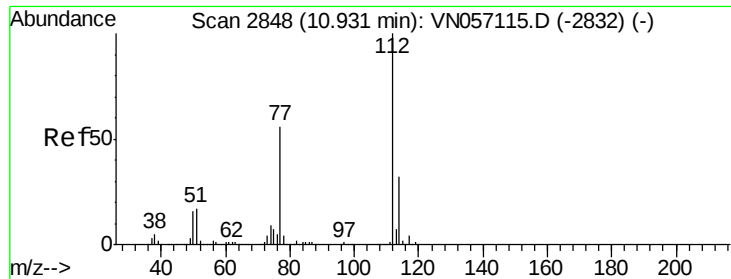
Tgt Ion:117 Resp: 1394607
Ion Ratio Lower Upper
117 100
82 51.1 40.8 61.2
119 31.7 25.7 38.5



#64
Tetrachloroethene
Concen: 47.951 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:164 Resp: 556142
Ion Ratio Lower Upper
164 100
166 130.9 98.3 147.5
129 89.4 69.8 104.6
131 86.3 66.8 100.2

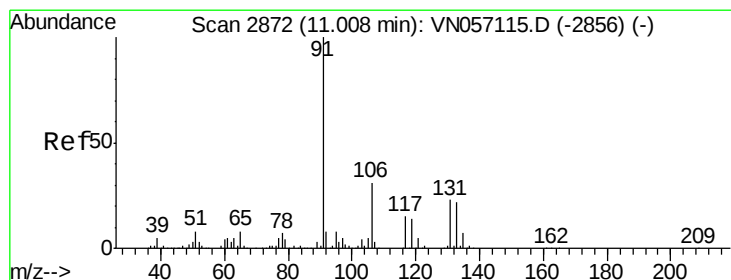
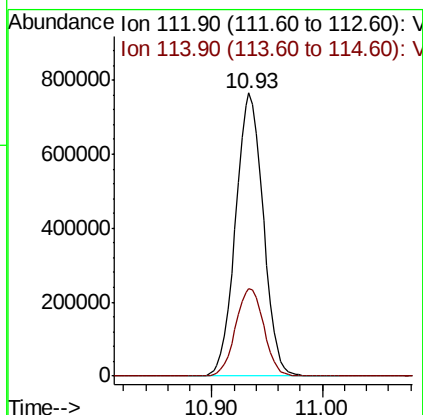
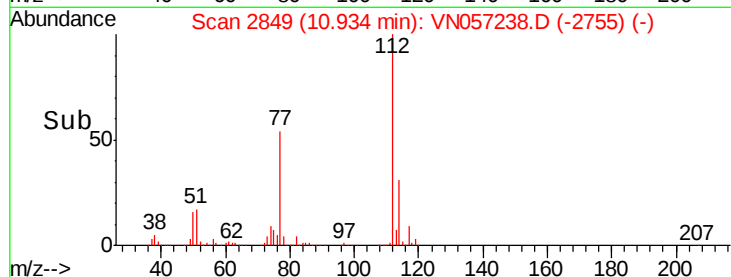
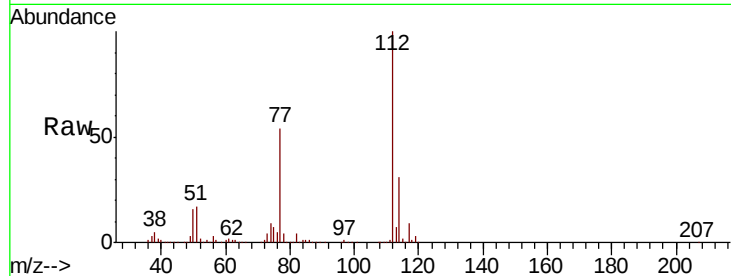




#65
Chlorobenzene
Concen: 47.276 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

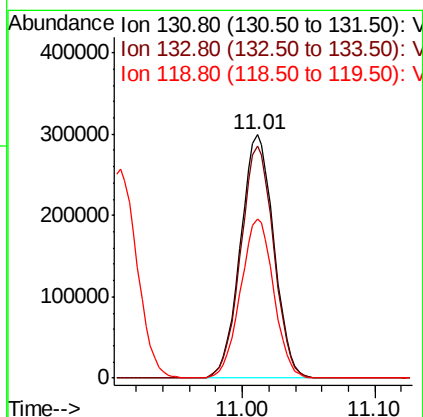
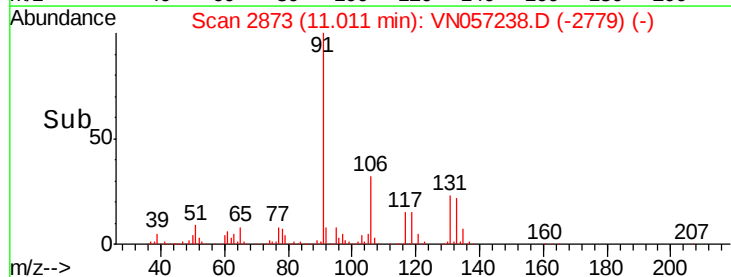
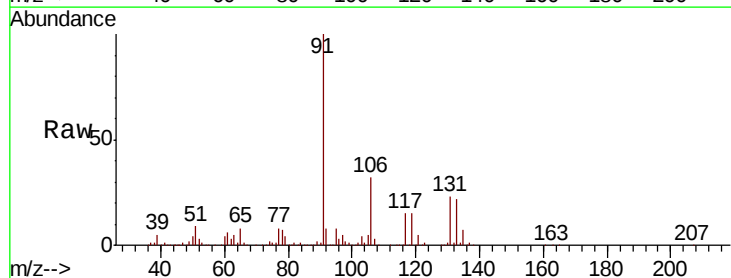
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

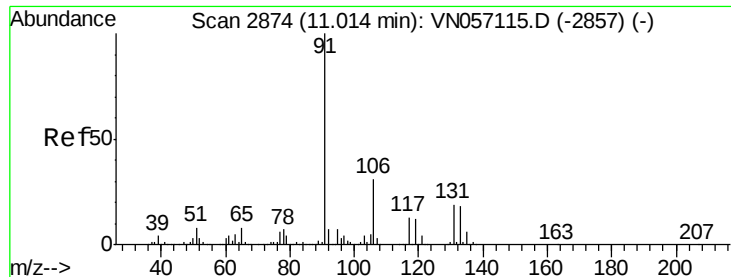
Tgt Ion:112 Resp: 1326600
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 49.754 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:131 Resp: 521959
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.8
119 64.9 32.6 97.7

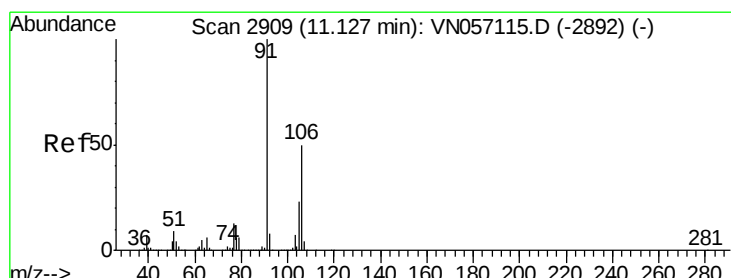
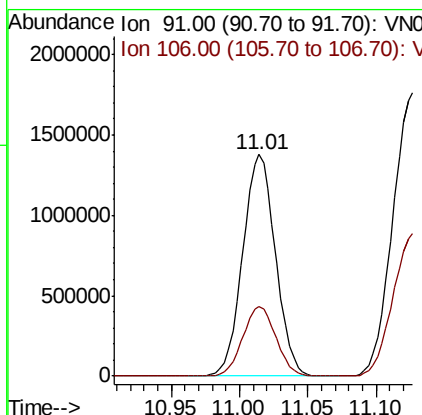
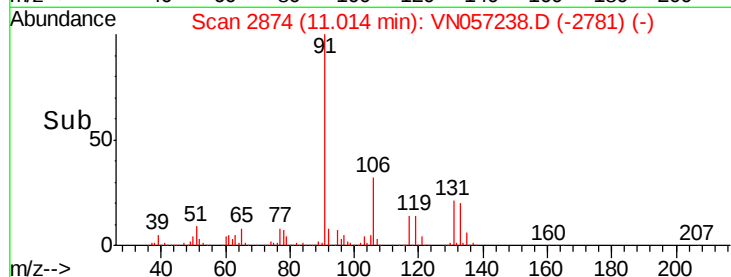
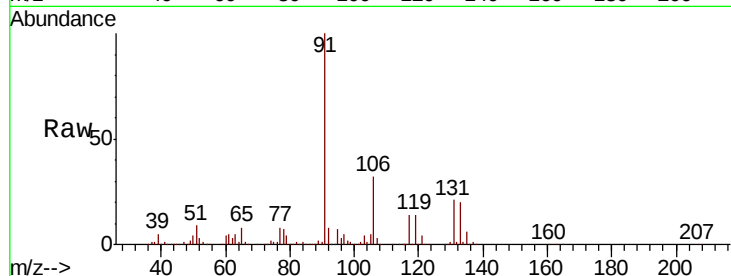




#67
Ethyl Benzene
Concen: 47.422 ug/l
RT: 11.01 min Scan# 2874
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

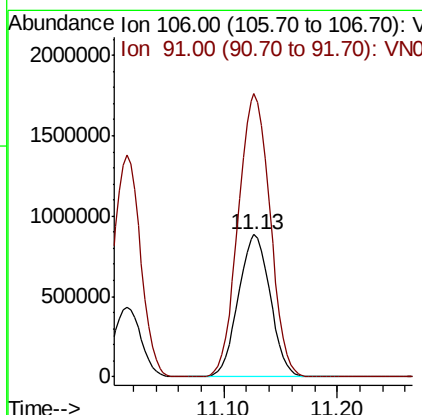
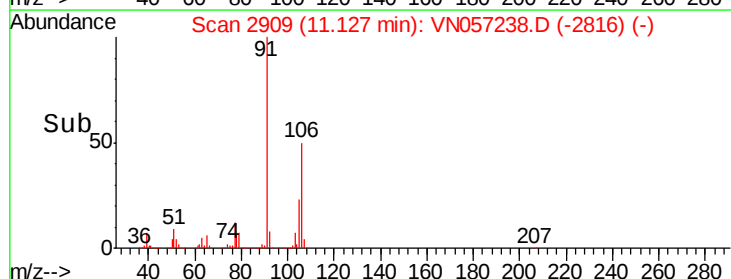
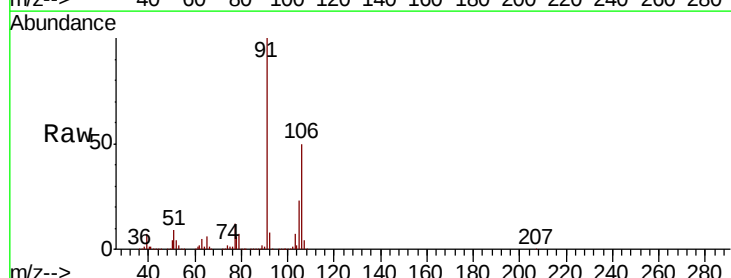
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

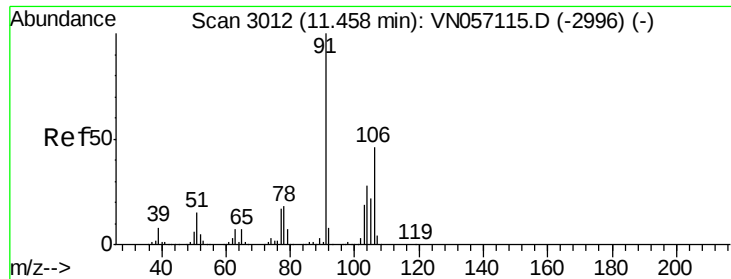
Tgt Ion: 91 Resp: 2290213
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.4



#68
m/p-Xylenes
Concen: 97.170 ug/l
RT: 11.13 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion: 106 Resp: 1728866
Ion Ratio Lower Upper
106 100
91 199.9 159.8 239.8

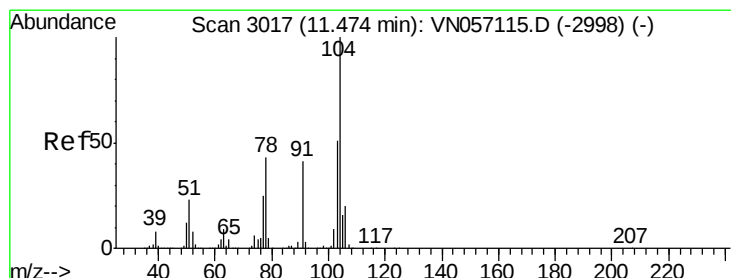
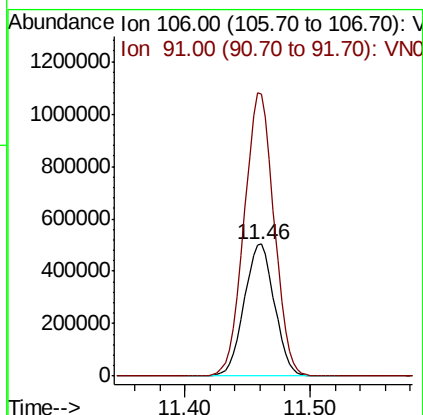
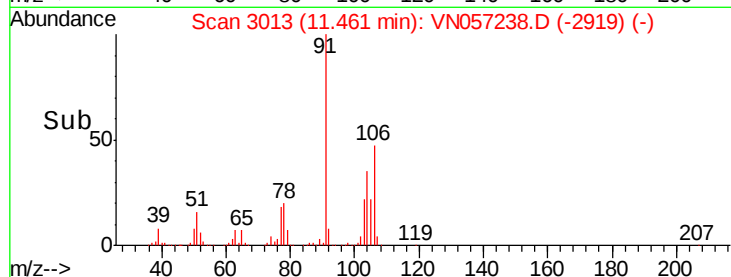
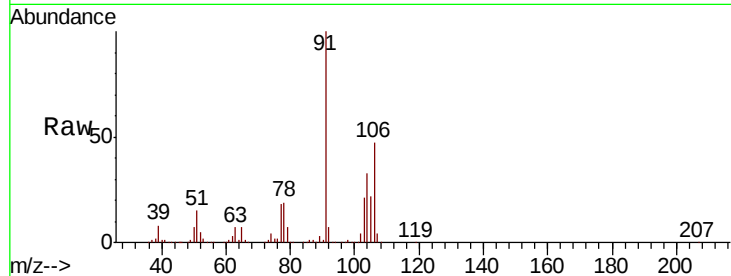




#69
o-Xylene
Concen: 47.788 ug/l
RT: 11.46 min Scan# 3013
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

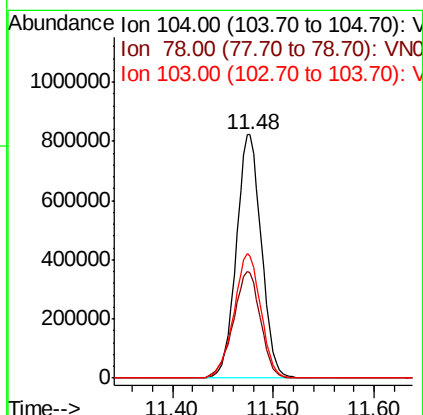
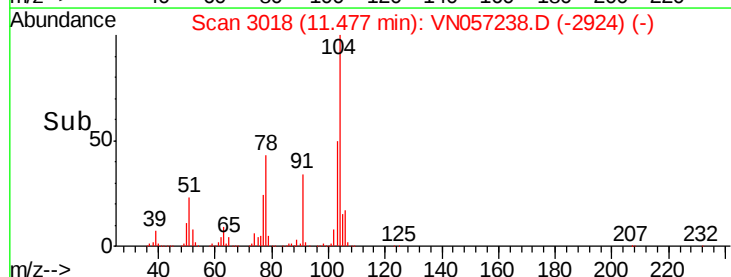
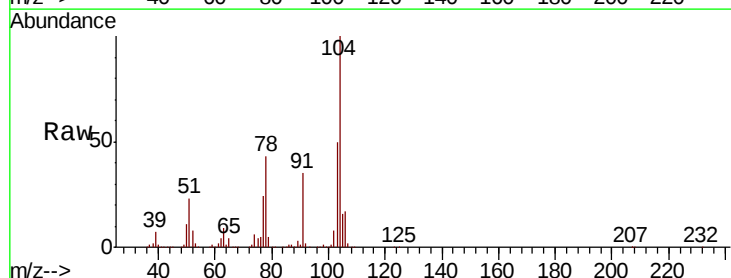
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

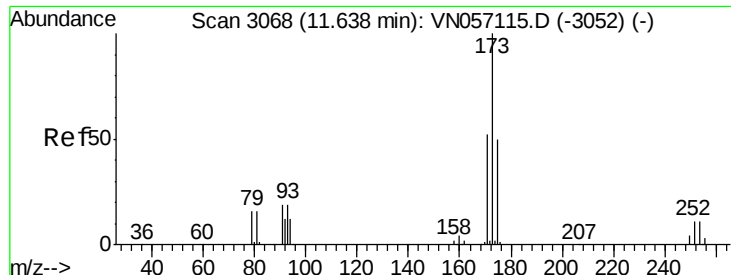
Tgt Ion:106 Resp: 846208
Ion Ratio Lower Upper
106 100
91 212.5 106.8 320.5



#70
Styrene
Concen: 50.998 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:104 Resp: 1410488
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 55.1 44.6 66.8





#71

Bromoform

Concen: 54.491 ug/l

RT: 11.64 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

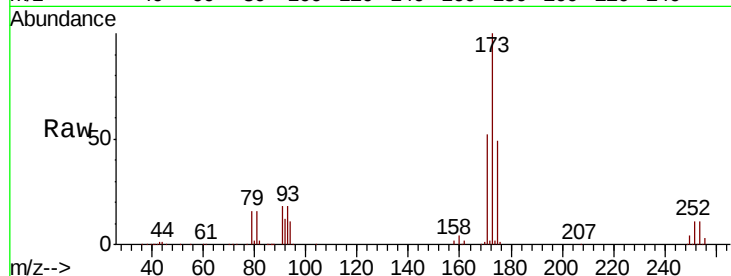
Tgt Ion:173 Resp: 418745

Ion Ratio Lower Upper

173 100

175 49.6 24.6 73.8

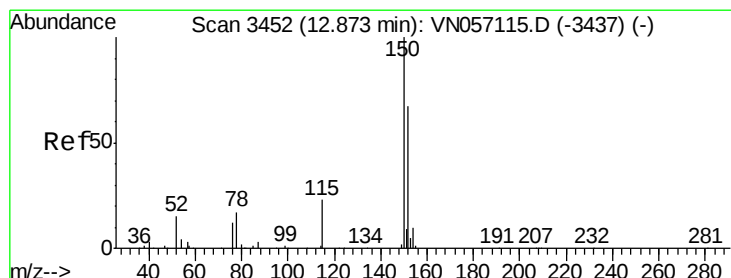
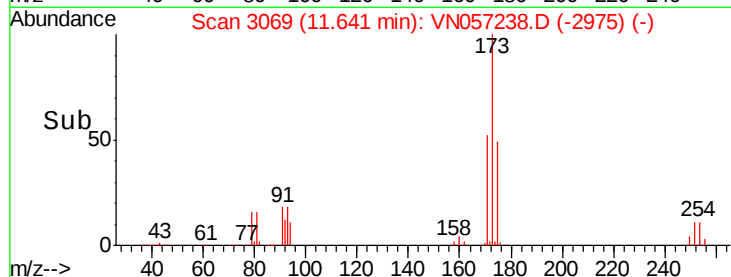
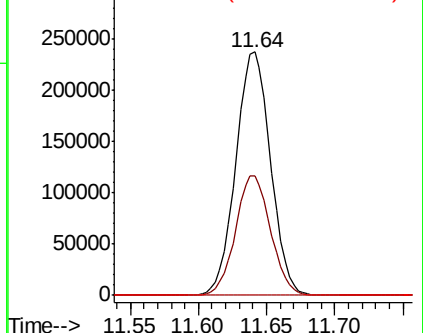
254 0.2 0.1 0.1#



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: VN057238.D

Acq: 13 Aug 2019 00:32

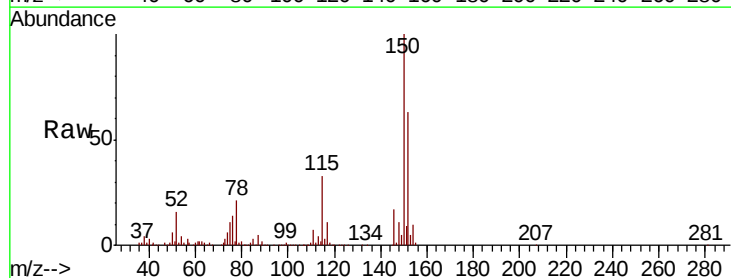
Tgt Ion:152 Resp: 584392

Ion Ratio Lower Upper

152 100

115 54.1 27.5 82.5

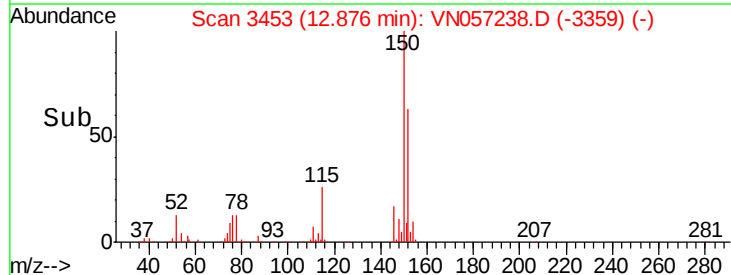
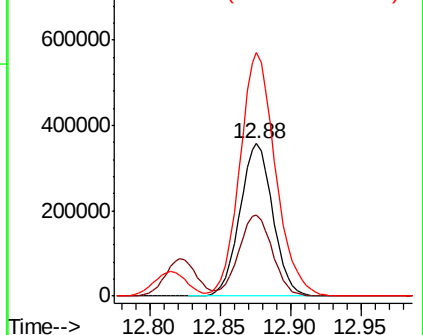
150 172.6 0.0 341.6

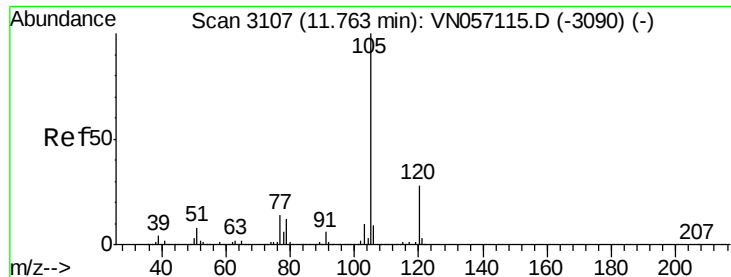


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.550 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

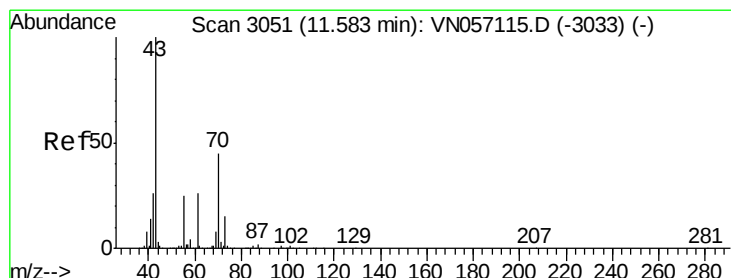
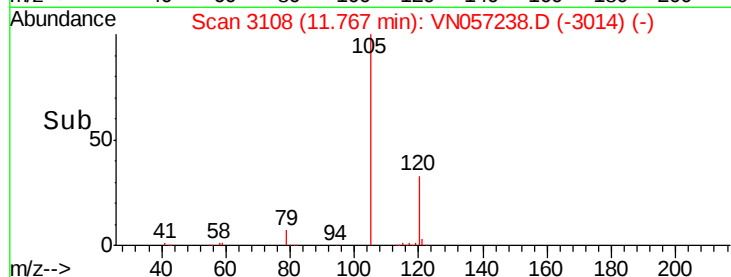
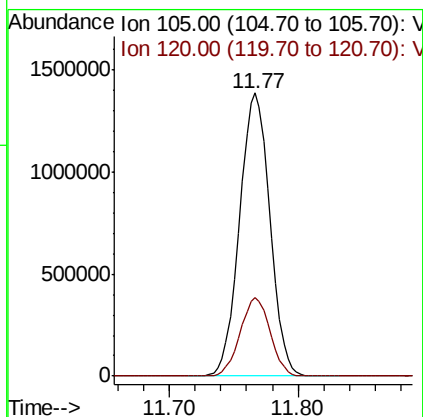
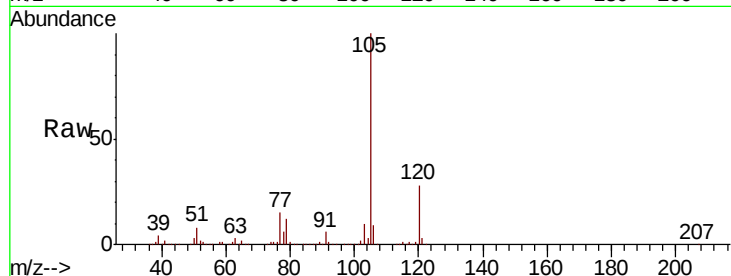
VSTDCCC050EC

Tgt Ion:105 Resp: 2269435

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.0



#74

N-ethyl acetate

Concen: 46.716 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Tgt Ion: 43 Resp: 691816

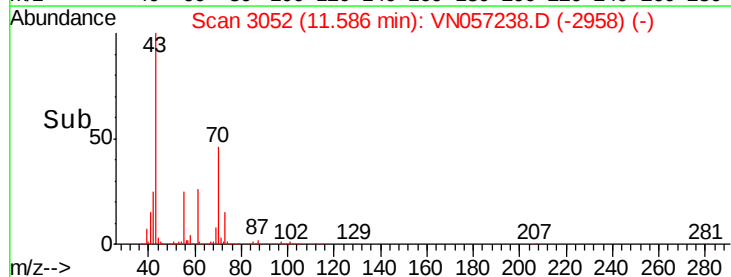
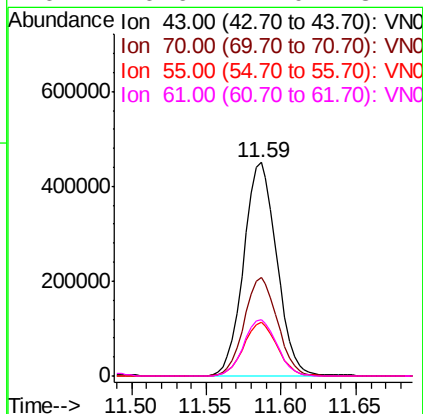
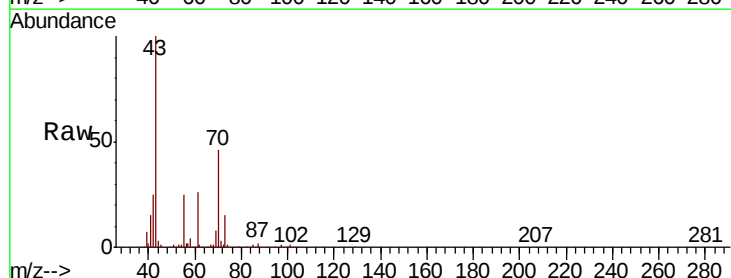
Ion Ratio Lower Upper

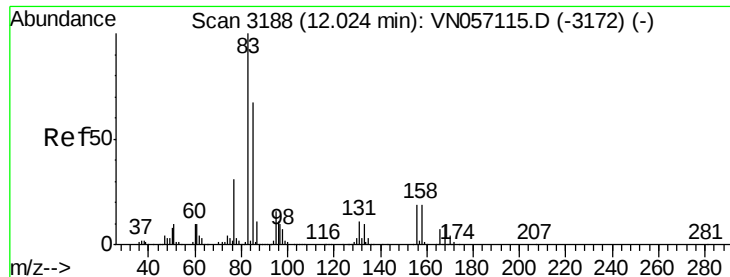
43 100

70 46.5 36.8 55.2

55 25.6 20.6 31.0

61 26.6 21.0 31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.298 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

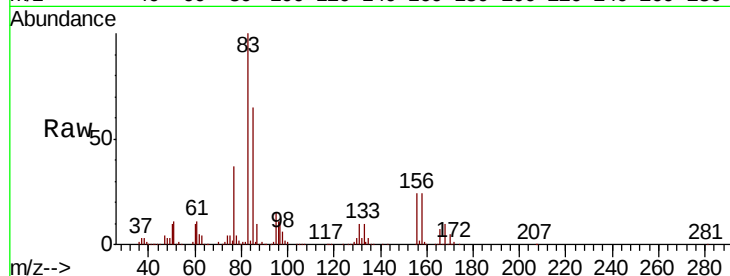
Tgt Ion: 83 Resp: 652347

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

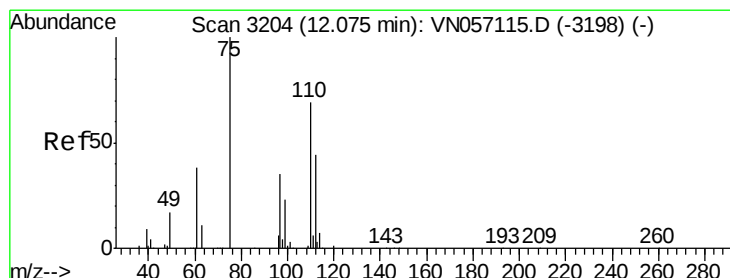
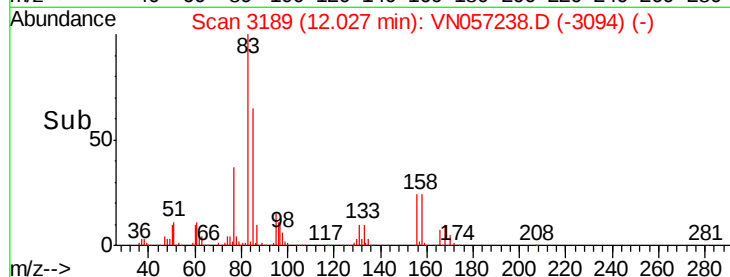
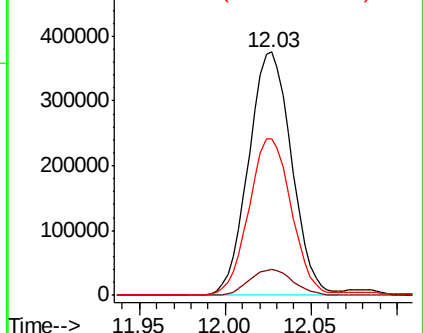
85 63.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN057115.D (-3172) (-)

Ion 130.80 (130.50 to 131.50): VN057115.D (-3172) (-)

Ion 84.90 (84.60 to 85.60): VN057115.D (-3172) (-)



#76

1,2,3-Trichloropropane

Concen: 69.571 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057238.D

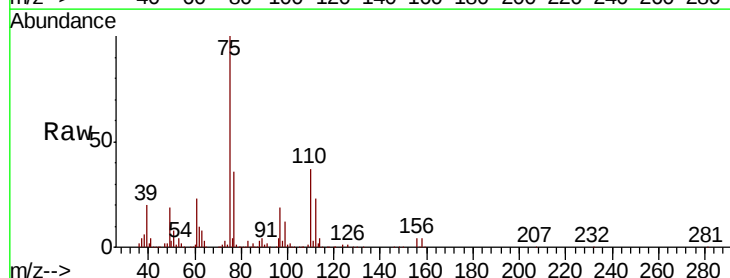
Acq: 13 Aug 2019 00:32

Tgt Ion: 75 Resp: 780257

Ion Ratio Lower Upper

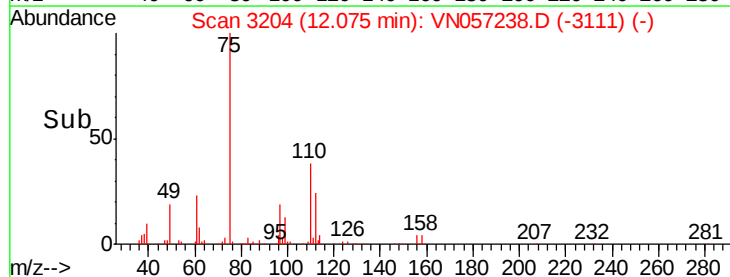
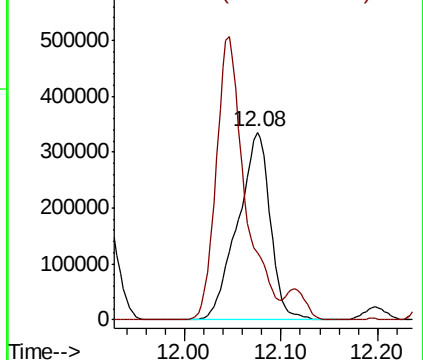
75 100

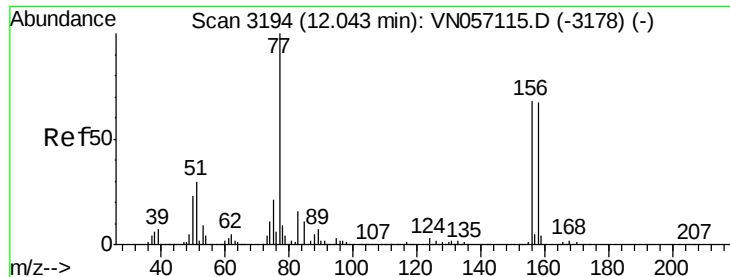
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057115.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057115.D (-3198) (-)





#77

Bromobenzene

Concen: 43.536 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

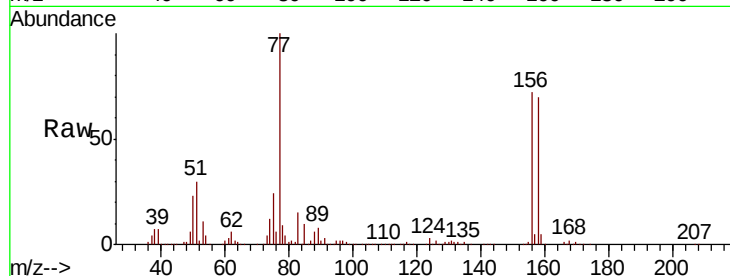
Tgt Ion:156 Resp: 611532

Ion Ratio Lower Upper

156 100

77 171.2 88.7 266.1

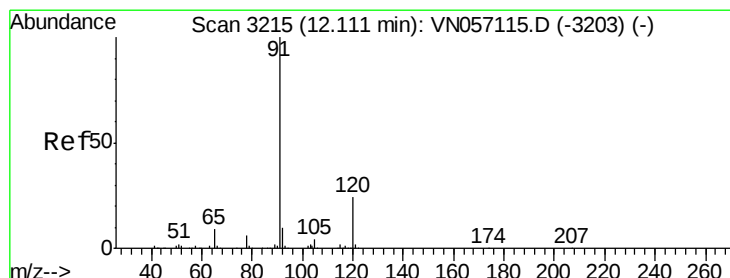
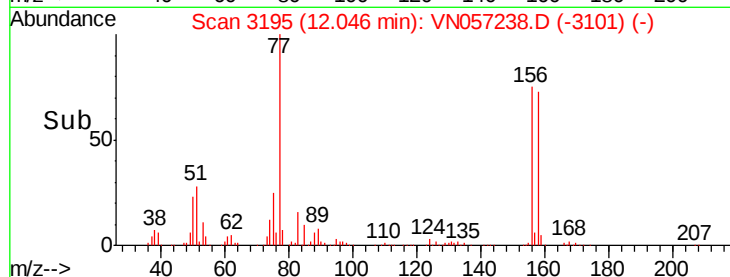
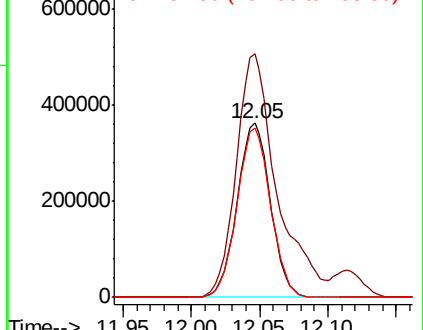
158 98.2 49.3 147.8



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: 42.298 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057238.D

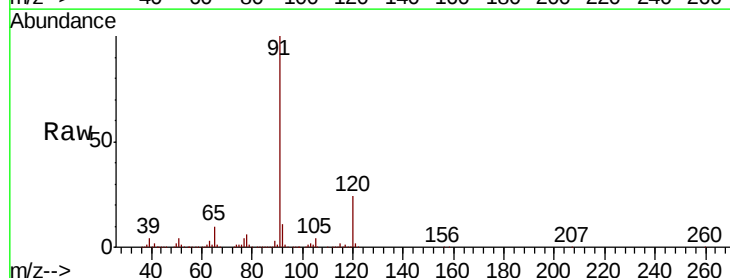
Acq: 13 Aug 2019 00:32

Tgt Ion: 91 Resp: 2371377

Ion Ratio Lower Upper

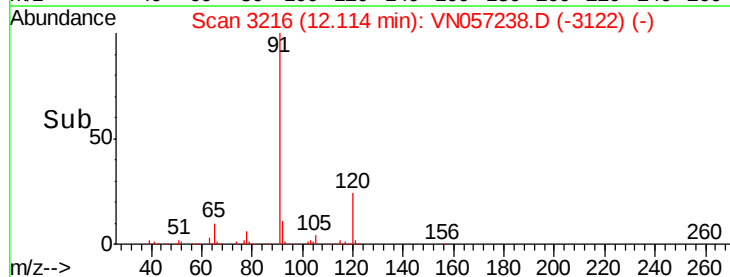
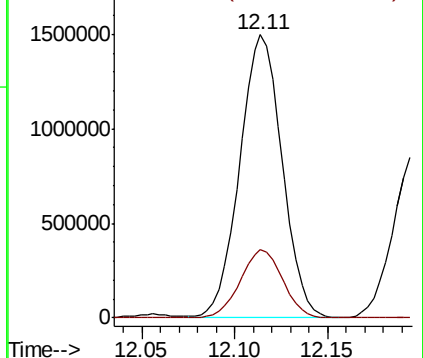
91 100

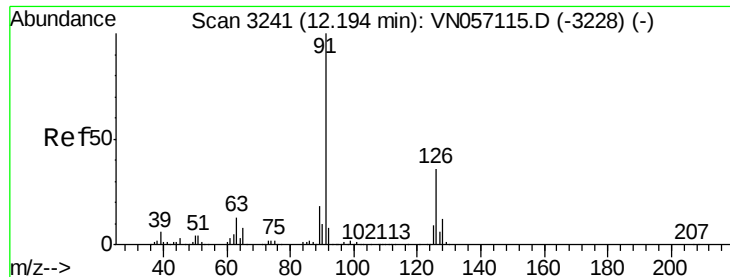
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.001 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

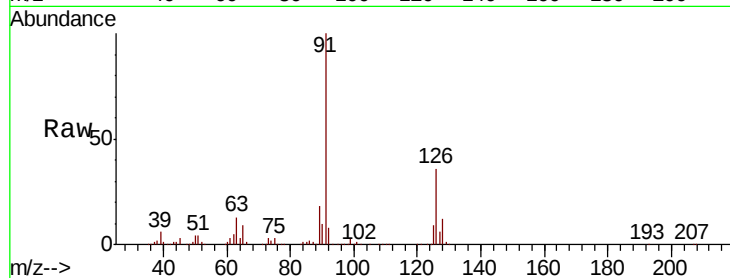
VSTDCCC050EC

Tgt Ion: 91 Resp: 1471829

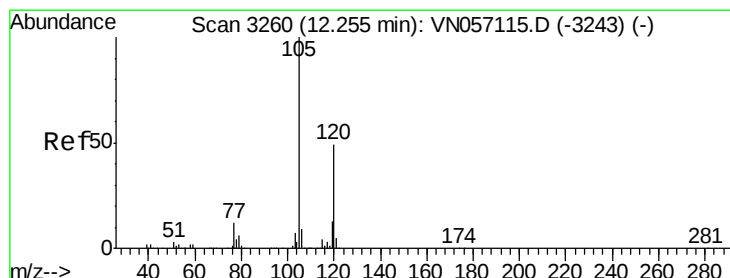
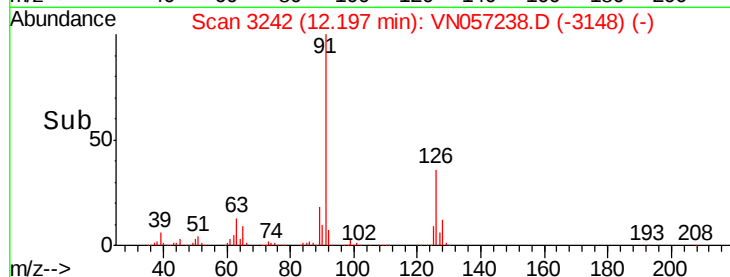
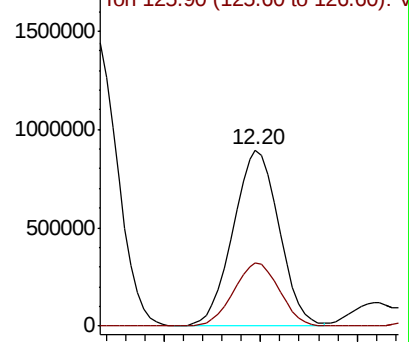
Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.3



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



#80

1,3,5-Trimethylbenzene

Concen: 41.826 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057238.D

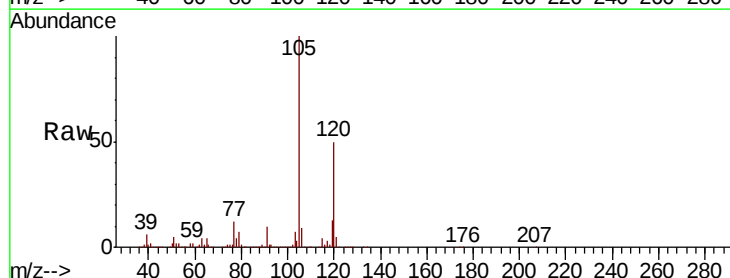
Acq: 13 Aug 2019 00:32

Tgt Ion: 105 Resp: 1887055

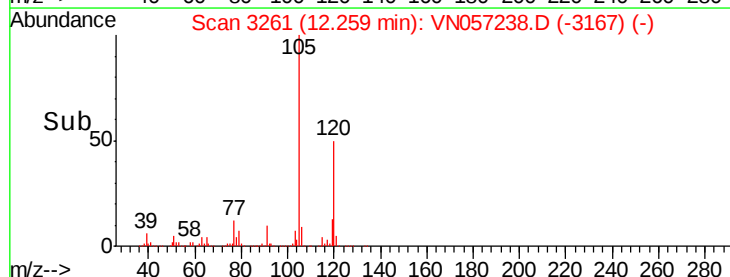
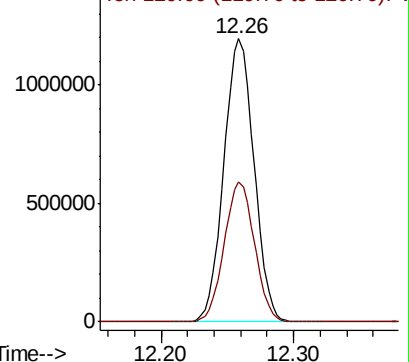
Ion Ratio Lower Upper

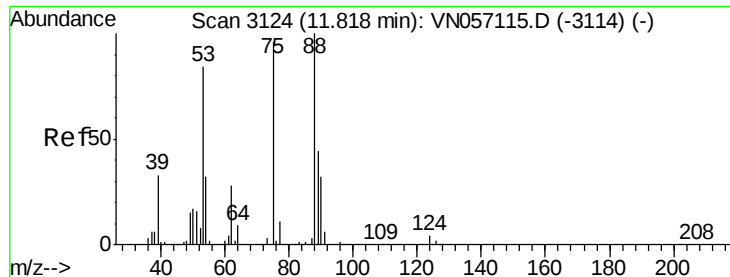
105 100

120 49.8 24.6 73.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 44.445 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

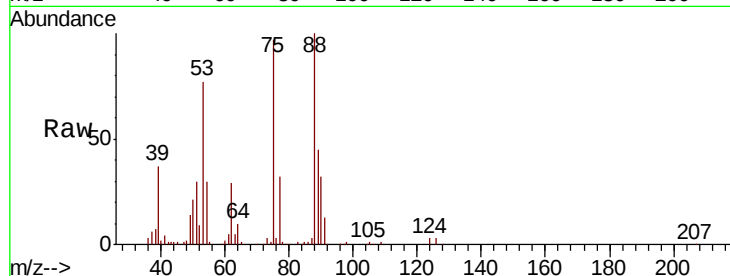
Tgt Ion: 75 Resp: 176646

Ion Ratio Lower Upper

75 100

53 83.6 70.6 106.0

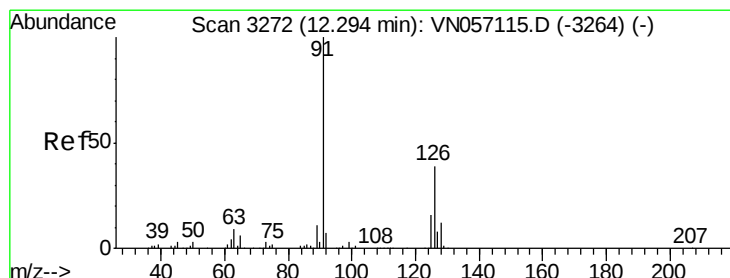
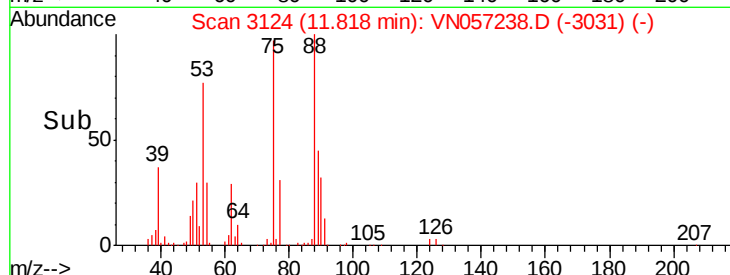
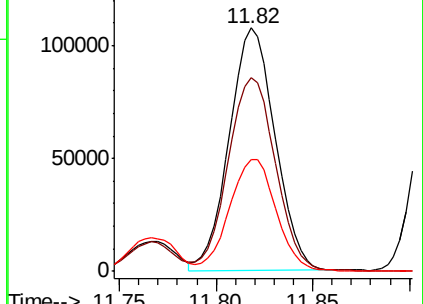
89 47.3 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN057238.D (-3031) (-)

Ion 53.00 (52.70 to 53.70): VN057238.D (-3031) (-)

Ion 88.90 (88.60 to 89.60): VN057238.D (-3031) (-)



#82

4-Chlorotoluene

Concen: 43.496 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057238.D

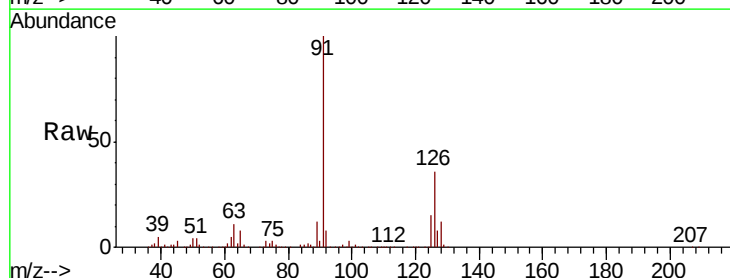
Acq: 13 Aug 2019 00:32

Tgt Ion: 91 Resp: 1411947

Ion Ratio Lower Upper

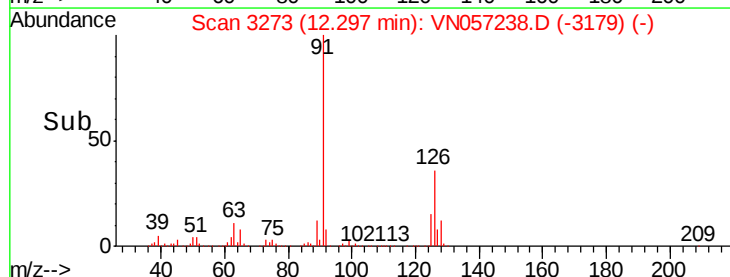
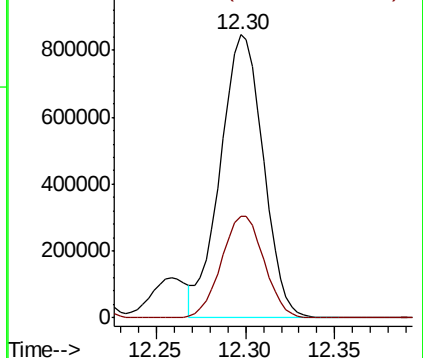
91 100

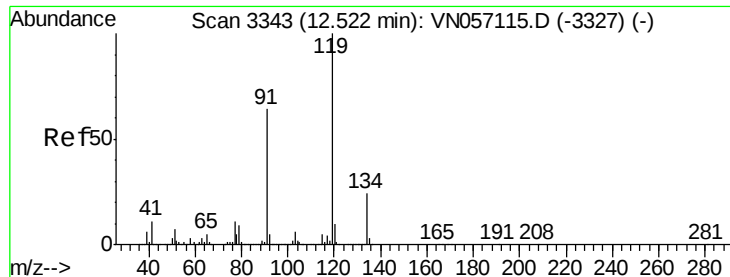
126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN057238.D (-3179) (-)

Ion 125.90 (125.60 to 126.60): VN057238.D (-3179) (-)

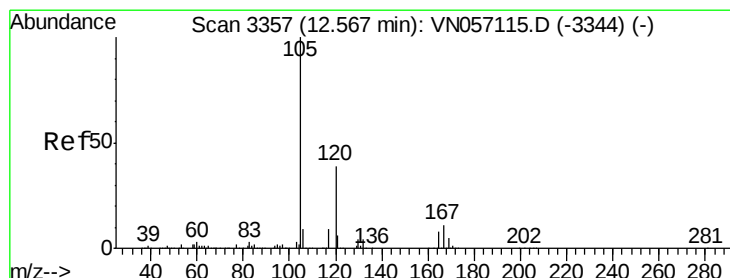
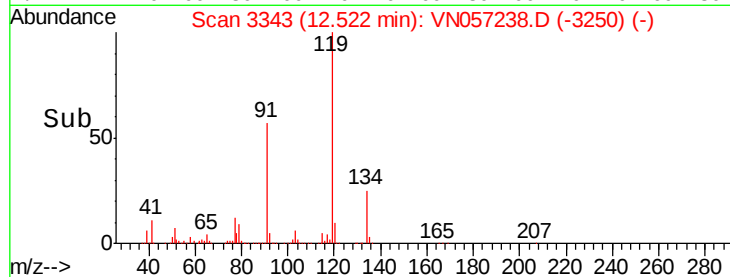
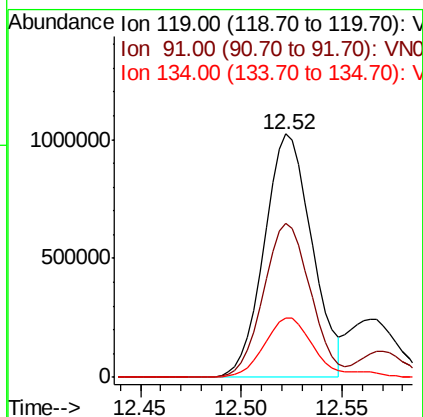
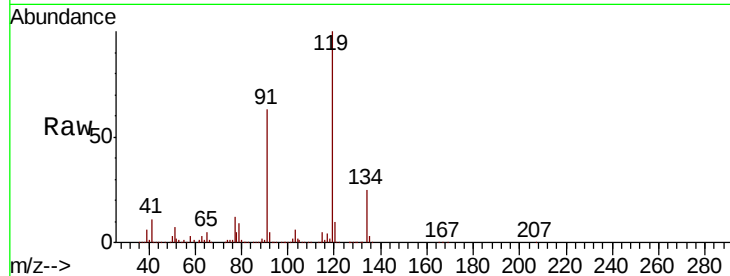




#83
tert-Butylbenzene
Concen: 47.223 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

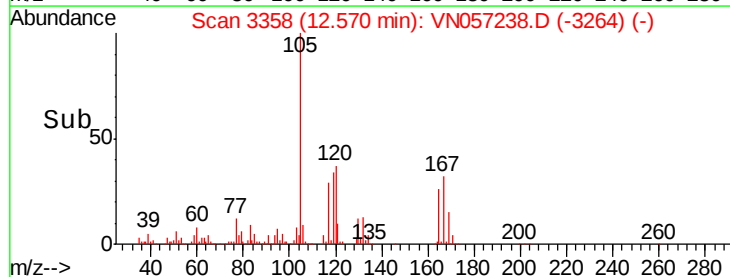
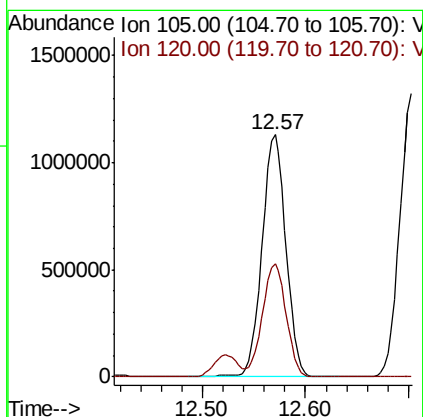
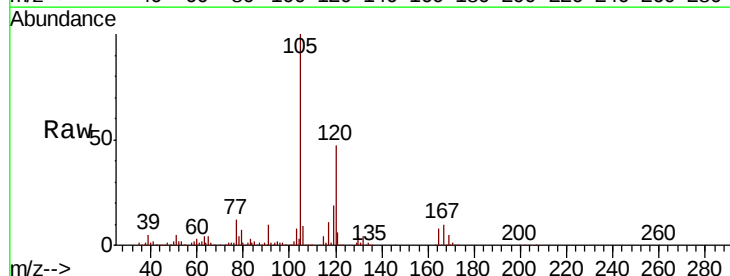
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

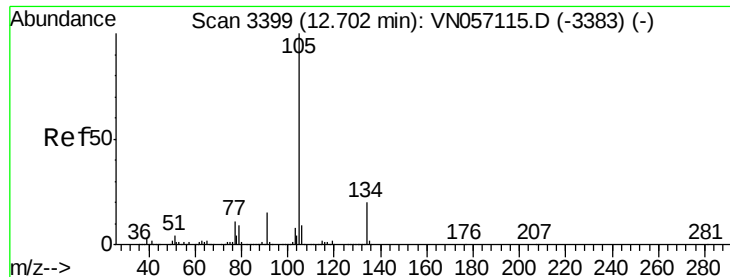
Tgt Ion:119 Resp: 1683656
Ion Ratio Lower Upper
119 100
91 62.4 31.4 94.2
134 26.2 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 41.419 ug/l
RT: 12.57 min Scan# 3358
Delta R.T. 0.00 min
Lab File: VN057238.D
Acq: 13 Aug 2019 00:32

Tgt Ion:105 Resp: 1806228
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.8





#85

sec-Butylbenzene

Concen: 41.036 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

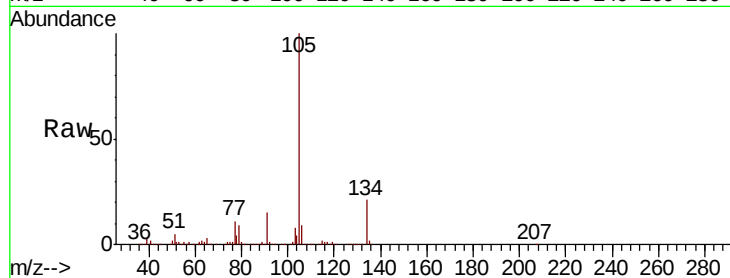
VSTDCCC050EC

Tgt Ion:105 Resp: 2089347

Ion Ratio Lower Upper

105 100

134 20.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.70

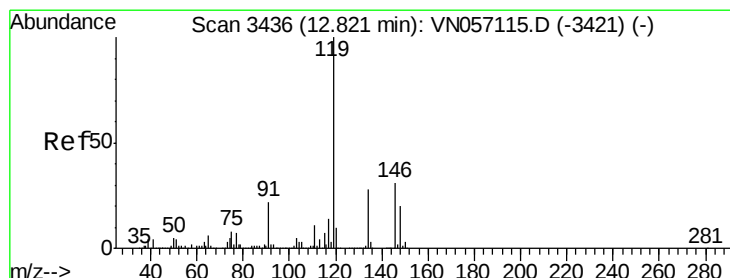
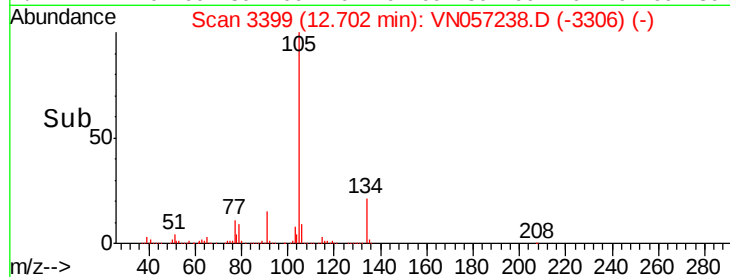
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 41.117 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

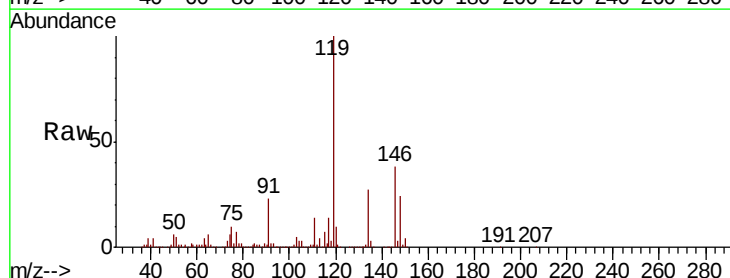
Tgt Ion:119 Resp: 1836973

Ion Ratio Lower Upper

119 100

134 26.9 13.8 41.3

91 22.5 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.82

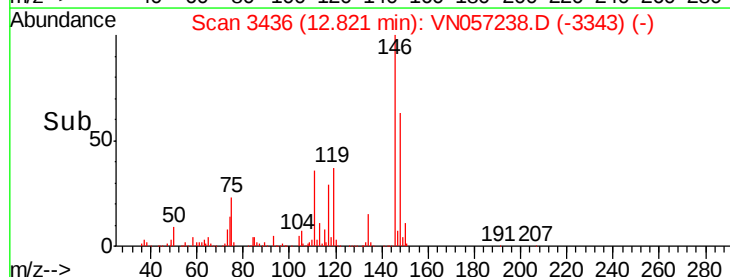
1500000

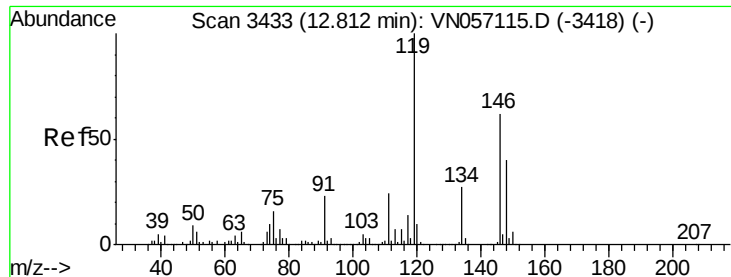
1000000

500000

0

Time-->

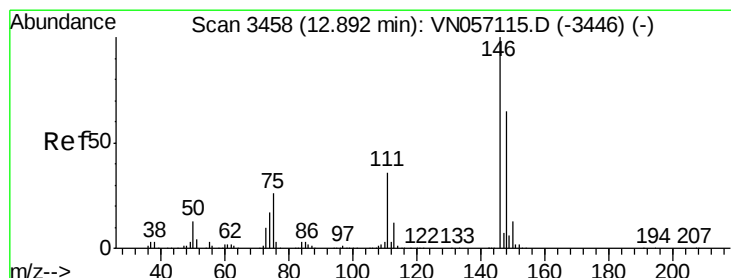
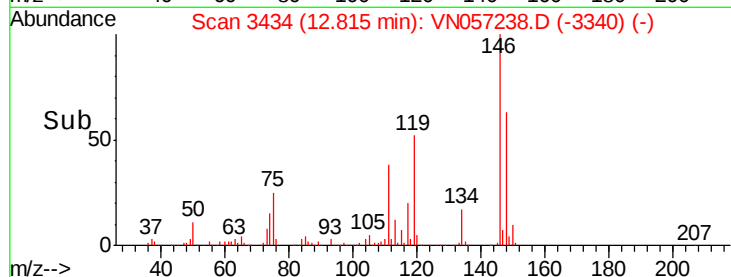
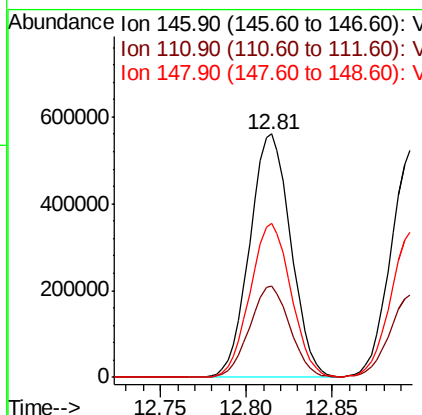
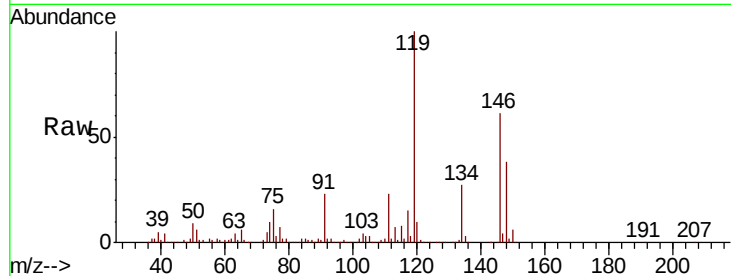




#87
 1,3-Dichlorobenzene
 Concen: 46.537 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

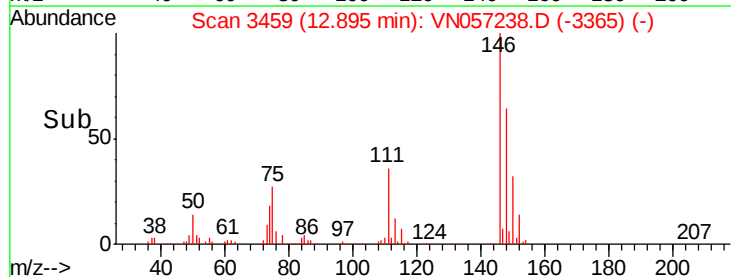
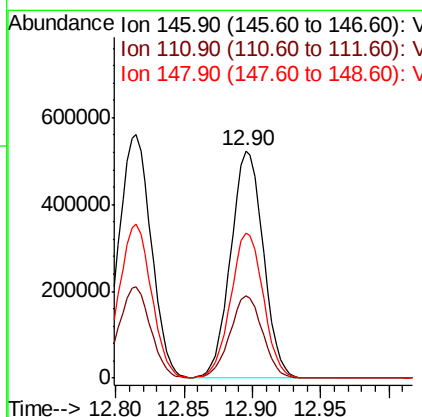
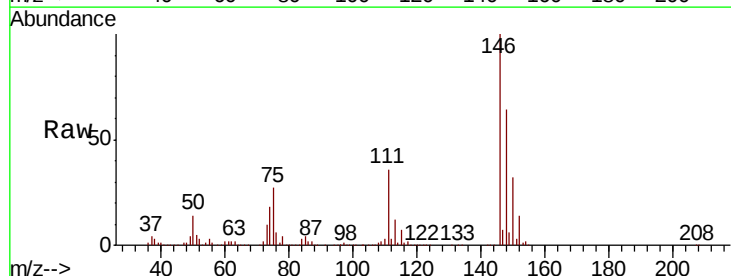
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

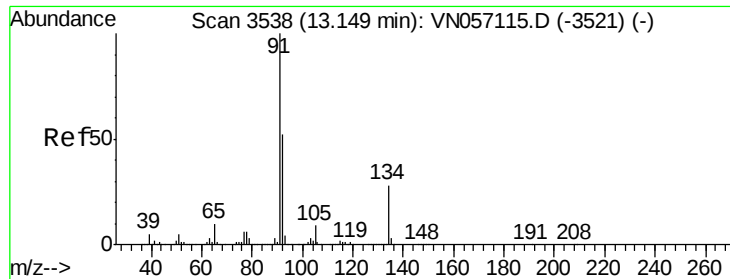
Tgt Ion:146 Resp: 930615
 Ion Ratio Lower Upper
 146 100
 111 36.7 18.8 56.4
 148 62.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 45.877 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion:146 Resp: 869247
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.2 54.6
 148 63.8 32.0 96.2





#89

n-Butylbenzene

Concen: 43.220 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

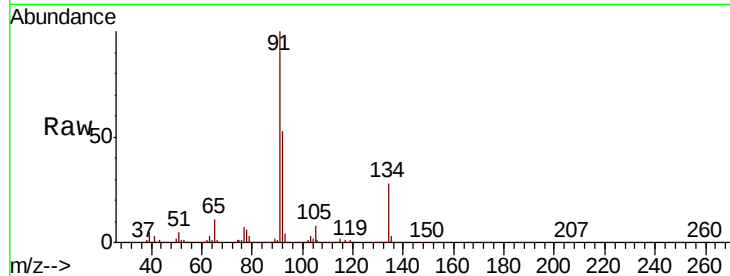
Tgt Ion: 91 Resp: 1334054

Ion Ratio Lower Upper

91 100

92 52.1 26.5 79.4

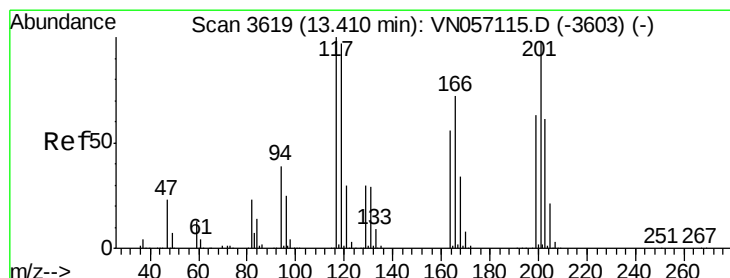
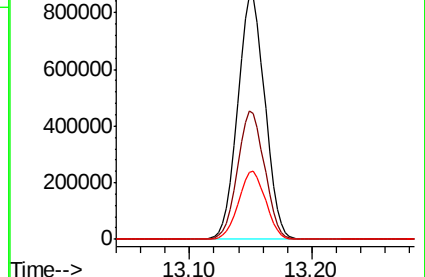
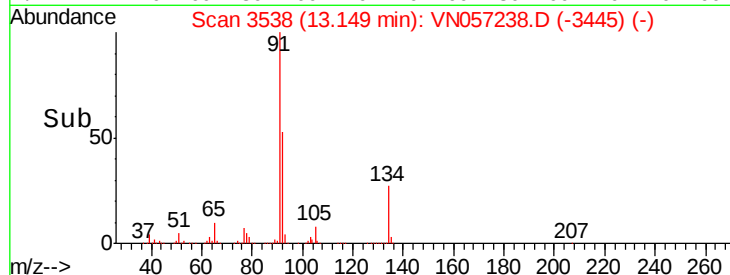
134 27.7 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057238.D (-3445) (-)

Ion 92.00 (91.70 to 92.70): VN057238.D (-3445) (-)

Ion 134.00 (133.70 to 134.70): VN057238.D (-3445) (-)



#90

Hexachloroethane

Concen: 48.888 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057238.D

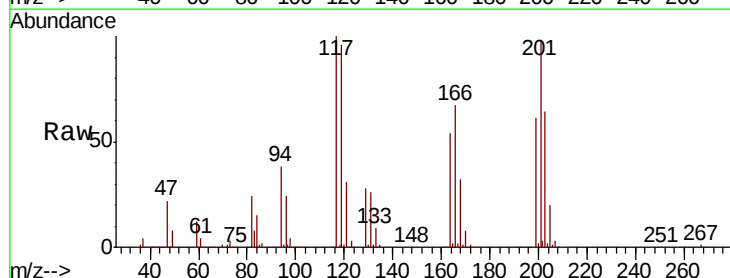
Acq: 13 Aug 2019 00:32

Tgt Ion: 117 Resp: 347348

Ion Ratio Lower Upper

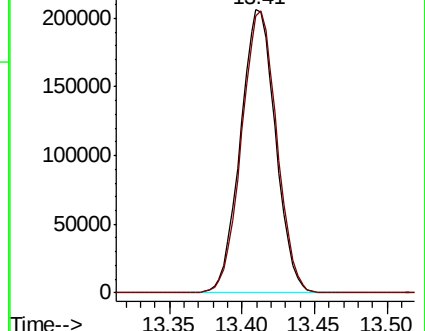
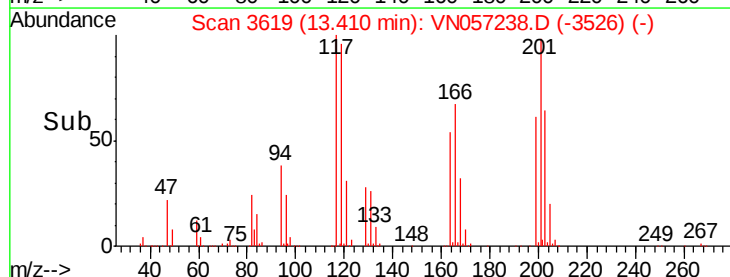
117 100

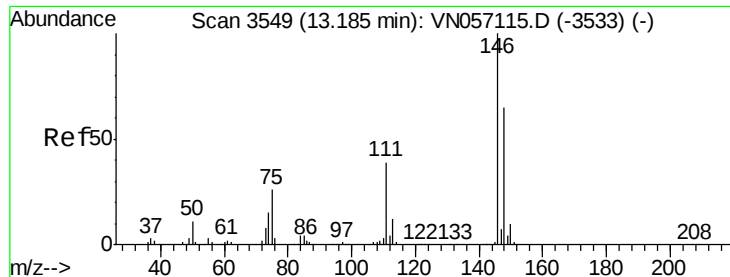
201 99.6 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057238.D (-3526) (-)

Ion 200.70 (200.40 to 201.40): VN057238.D (-3526) (-)





#91

1,2-Dichlorobenzene

Concen: 44.270 ug/l

RT: 13.19 min Scan# 3550

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

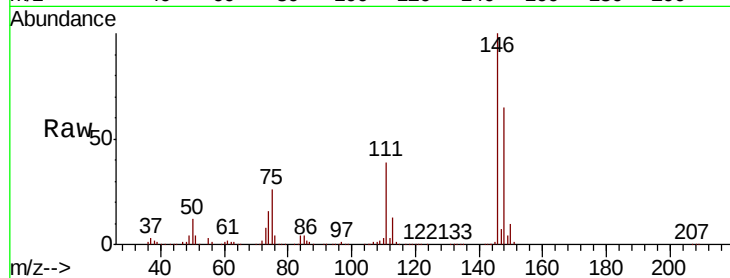
Tgt Ion:146 Resp: 884051

Ion Ratio Lower Upper

146 100

111 39.0 19.2 57.6

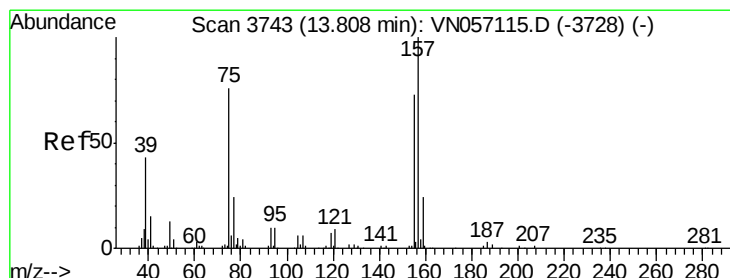
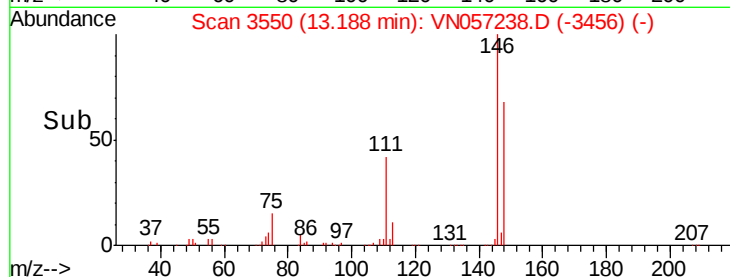
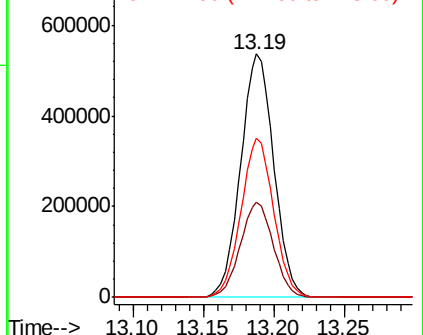
148 64.5 32.4 97.0



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: 42.830 ug/l

RT: 13.81 min Scan# 3744

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

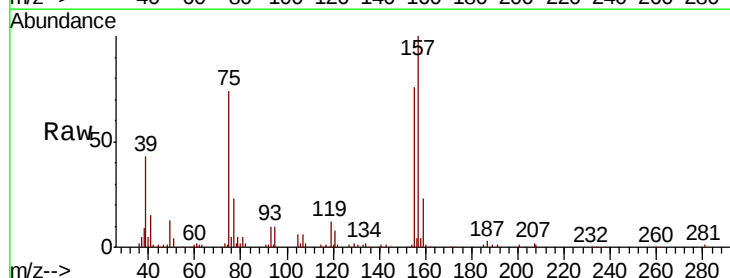
Tgt Ion: 75 Resp: 87986

Ion Ratio Lower Upper

75 100

155 103.1 49.3 147.9

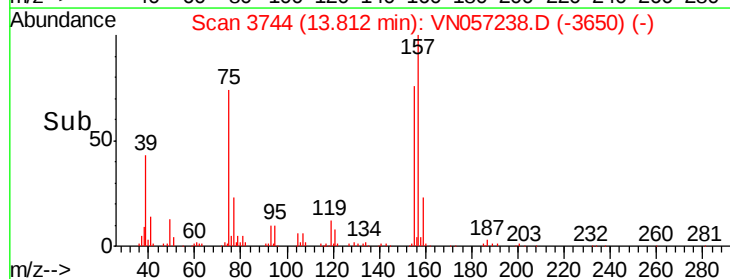
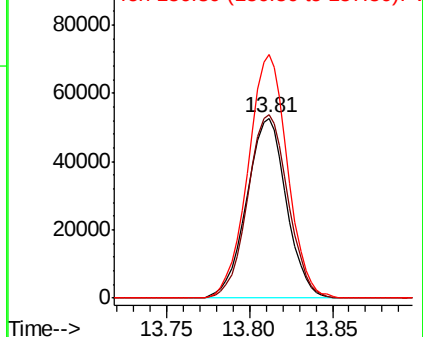
157 134.4 65.3 195.8

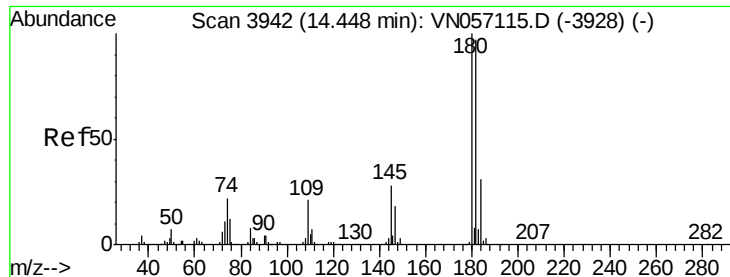


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

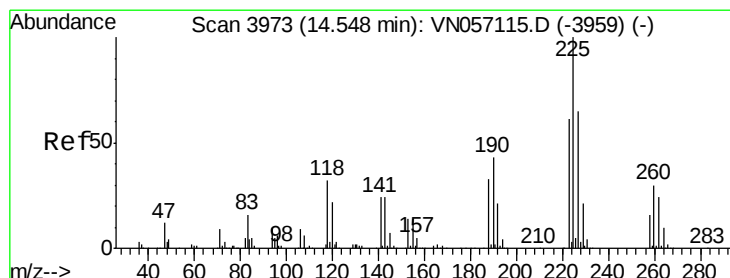
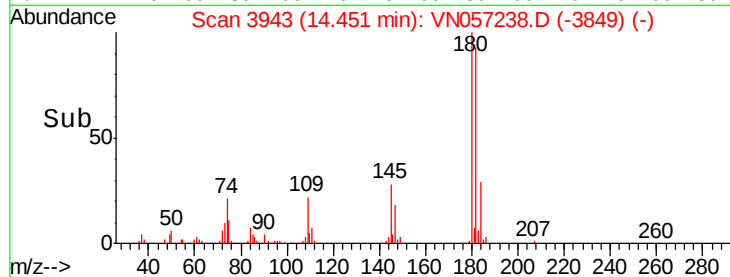
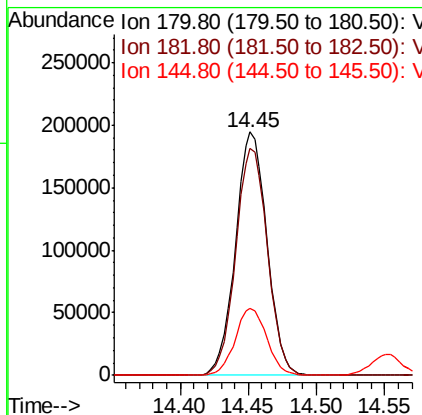
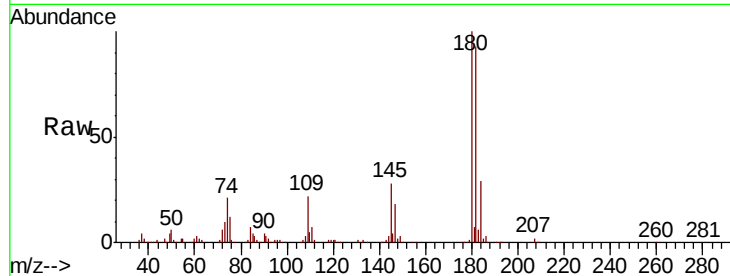




#93
 1,2,4-Trichlorobenzene
 Concen: 38.305 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

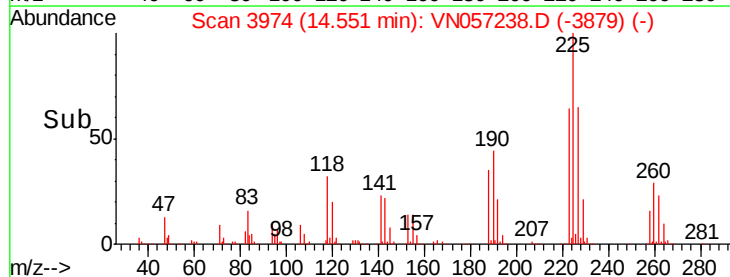
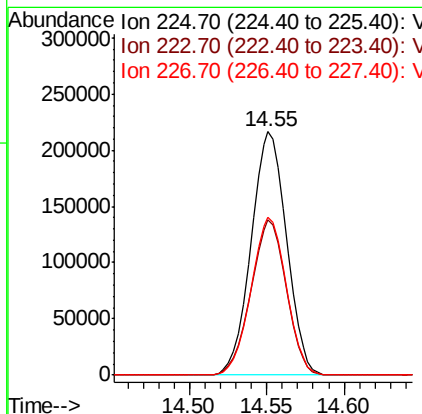
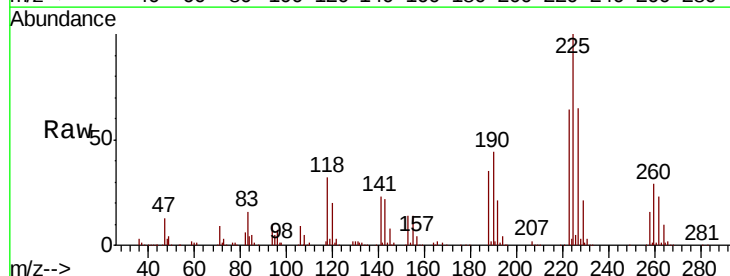
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

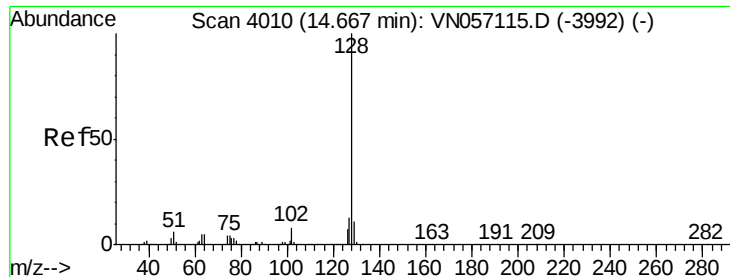
Tgt Ion:180 Resp: 311092
 Ion Ratio Lower Upper
 180 100
 182 93.9 47.5 142.6
 145 27.6 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 49.565 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057238.D
 Acq: 13 Aug 2019 00:32

Tgt Ion:225 Resp: 345652
 Ion Ratio Lower Upper
 225 100
 223 63.7 30.9 92.8
 227 64.6 32.4 97.0





#95

Naphthalene

Concen: 39.231 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

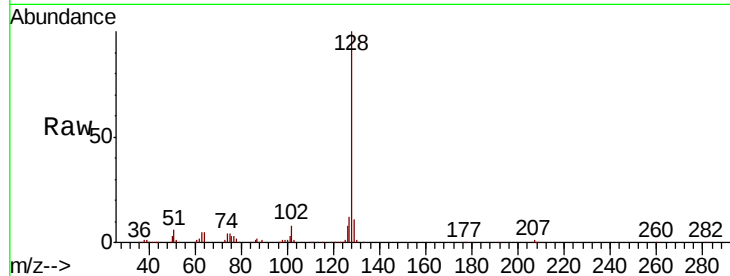
Tgt Ion:128 Resp: 630106

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

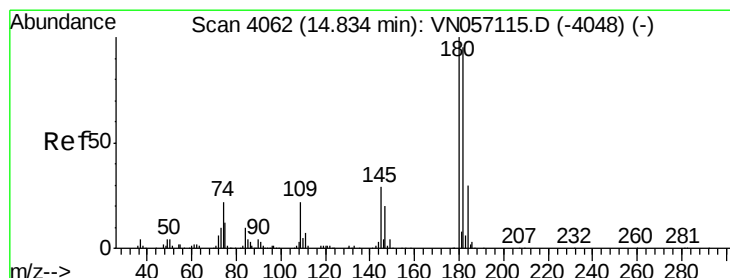
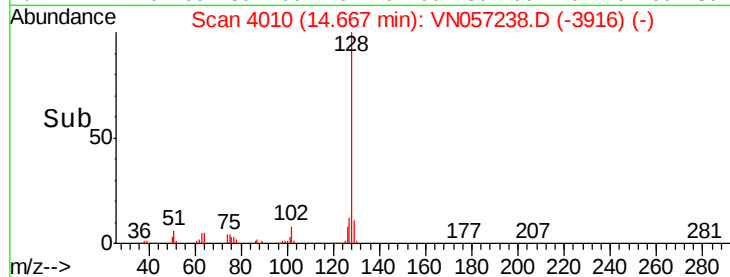
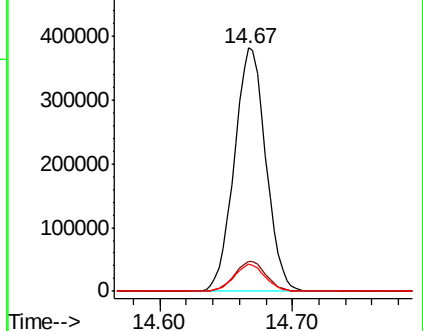
129 10.9 8.8 13.2



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: 35.235 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057238.D

Acq: 13 Aug 2019 00:32

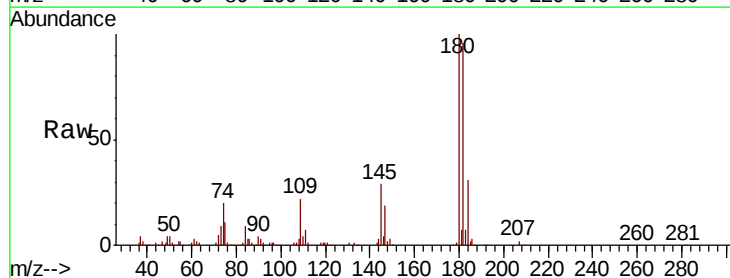
Tgt Ion:180 Resp: 291925

Ion Ratio Lower Upper

180 100

182 95.4 48.3 144.8

145 29.5 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

