

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080719\
 Data File : VN057113.D
 Acq On : 7 Aug 2019 19:18
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 08 05:01:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1208341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1801002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1523155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	418065	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	62501	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	
35) Dibromofluoromethane	6.99	113	55589	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	9.56	98	208389	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	11.92	95	56053	4.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.16%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.82	85	54243	5.762 ug/l	99
3) Chloromethane	2.00	50	69268	5.498 ug/l	99
4) Vinyl Chloride	2.11	62	63719	5.293 ug/l	99
5) Bromomethane	2.42	94	46537	6.418 ug/l	95
6) Chloroethane	2.55	64	39739	6.708 ug/l	96
7) Trichlorofluoromethane	2.82	101	92142	5.549 ug/l	96
8) Diethyl Ether	3.14	74	33661	4.970 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	55320	5.262 ug/l	98
10) Methyl Iodide	3.63	142	73047	5.808 ug/l	97
11) Tert butyl alcohol	4.24	59	52942	38.953 ug/l	97
12) 1,1-Dichloroethene	3.43	96	53054	5.035 ug/l	98
13) Acrolein	3.31	56	32589	28.616 ug/l	92
14) Allyl chloride	3.91	41	75615	4.780 ug/l	98
15) Acrylonitrile	4.45	53	122308	27.640 ug/l	99
16) Acetone	3.48	43	97247	25.392 ug/l	97
17) Carbon Disulfide	3.72	76	128655	4.991 ug/l	96
18) Methyl Acetate	3.90	43	68959	5.204 ug/l	100
19) Methyl tert-butyl Ether	4.49	73	155147	5.028 ug/l	97
20) Methylene Chloride	4.09	84	62055	5.127 ug/l	94
21) trans-1,2-Dichloroethene	4.50	96	57773	5.204 ug/l	99
22) Diisopropyl ether	5.32	45	167819	5.052 ug/l	96
23) Vinyl Acetate	5.26	43	611241	24.640 ug/l	100
24) 1,1-Dichloroethane	5.24	63	104330	5.102 ug/l	95
25) 2-Butanone	6.20	43	144564	26.462 ug/l	94
26) 2,2-Dichloropropane	6.21	77	72714	4.665 ug/l #	75
27) cis-1,2-Dichloroethene	6.21	96	67192	5.184 ug/l	94
28) Bromochloromethane	6.59	49	47369	5.235 ug/l	96
29) Tetrahydrofuran	6.60	42	97087	27.317 ug/l	99
30) Chloroform	6.76	83	104325	5.090 ug/l	100
31) Cyclohexane	7.07	56	105776	5.843 ug/l #	88
32) 1,1,1-Trichloroethane	6.98	97	87298	5.109 ug/l	95
36) 1,1-Dichloropropene	7.20	75	75624	4.834 ug/l	99
37) Ethyl Acetate	6.29	43	65810	5.518 ug/l #	98
38) Carbon Tetrachloride	7.18	117	74422	4.938 ug/l	97

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 Data File : VN057113.D
 Acq On : 7 Aug 2019 19:18
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 08 05:01:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 04:56:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	91997	5.081	ug/l	94
40) Benzene	7.46	78	244643	5.067	ug/l	98
41) Methacrylonitrile	6.55	41	26106	5.203	ug/l #	84
42) 1,2-Dichloroethane	7.54	62	76893	5.087	ug/l	100
43) Isopropyl Acetate	7.56	43	104800	4.818	ug/l	99
44) Trichloroethene	8.27	130	66385	5.032	ug/l	98
45) 1,2-Dichloropropane	8.56	63	62464	5.003	ug/l	92
46) Dibromomethane	8.65	93	38636	4.969	ug/l	97
47) Bromodichloromethane	8.85	83	72765	4.878	ug/l	99
48) Methyl methacrylate	8.63	41	48640	5.082	ug/l	97
49) 1,4-Dioxane	8.64	88	19727	101.440	ug/l #	95
51) 4-Methyl-2-Pentanone	9.45	43	295526	27.204	ug/l	99
52) Toluene	9.63	92	144589	4.932	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	71650	4.579	ug/l	99
54) cis-1,3-Dichloropropene	9.30	75	85745	4.674	ug/l	95
55) 1,1,2-Trichloroethane	10.04	97	58375	5.218	ug/l	97
56) Ethyl methacrylate	9.91	69	72244	4.713	ug/l	97
57) 1,3-Dichloropropane	10.19	76	97802	5.266	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.15	63	119781	21.661	ug/l	100
59) 2-Hexanone	10.24	43	195231	25.050	ug/l	98
60) Dibromochloromethane	10.39	129	55538	4.771	ug/l	99
61) 1,2-Dibromoethane	10.49	107	55850	4.888	ug/l	96
64) Tetrachloroethene	10.11	164	68013	5.308	ug/l	97
65) Chlorobenzene	10.93	112	151388	4.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	57669	5.090	ug/l	96
67) Ethyl Benzene	11.01	91	263935	4.986	ug/l	100
68) m/p-Xylenes	11.12	106	188225	9.441	ug/l	98
69) o-Xylene	11.46	106	95385	4.870	ug/l	99
70) Styrene	11.47	104	133185	4.264	ug/l	99
71) Bromoform	11.64	173	37205	4.649	ug/l #	96
73) Isopropylbenzene	11.76	105	242326	7.135	ug/l	100
74) N-amyl acetate	11.58	43	62217	6.242	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.02	83	72255	7.563	ug/l	100
76) 1,2,3-Trichloropropane	12.07	75	83400	10.567	ug/l #	100
77) Bromobenzene	12.04	156	58714	6.492	ug/l	97
78) n-propylbenzene	12.11	91	230729	6.624	ug/l	98
79) 2-Chlorotoluene	12.19	91	148483	6.663	ug/l	96
80) 1,3,5-Trimethylbenzene	12.26	105	197106	6.949	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.81	75	15142	6.052	ug/l	87
82) 4-Chlorotoluene	12.29	91	128575	6.153	ug/l	97
83) tert-Butylbenzene	12.52	119	183591	7.323	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	184055	6.787	ug/l	98
85) sec-Butylbenzene	12.70	105	219212	7.083	ug/l	99
86) p-Isopropyltoluene	12.82	119	182163	6.660	ug/l	97
87) 1,3-Dichlorobenzene	12.81	146	73052	5.230	ug/l	98
88) 1,4-Dichlorobenzene	12.89	146	67980	5.061	ug/l	95
89) n-Butylbenzene	13.15	91	117803	5.635	ug/l	98
90) Hexachloroethane	13.41	117	32166	6.787	ug/l	96
91) 1,2-Dichlorobenzene	13.18	146	72953	5.260	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.81	75	6496	4.788	ug/l	92

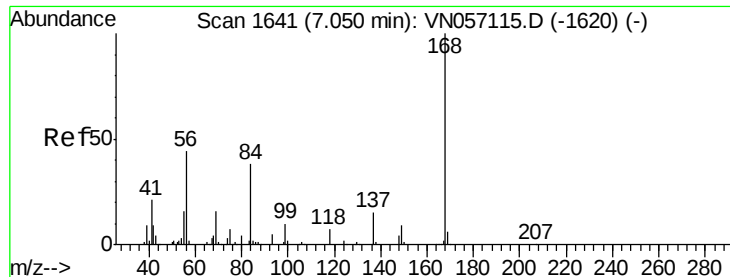
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080719\
Data File : VN057113.D
Acq On : 7 Aug 2019 19:18
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 08 05:01:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 08 04:56:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	14457	2.319	ug/l	99
94) Hexachlorobutadiene	14.55	225	37227	6.713	ug/l	99
95) Naphthalene	14.66	128	34608	2.727	ug/l	97
96) 1,2,3-Trichlorobenzene	14.83	180	17699	2.772	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

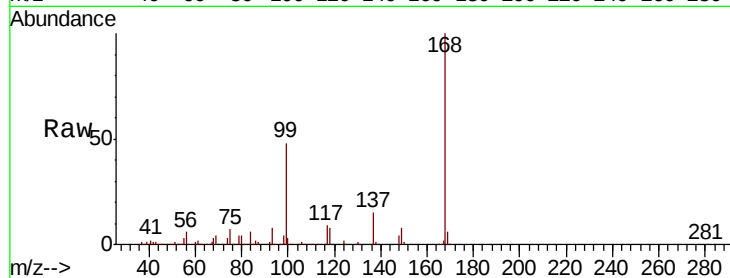
VSTDIC005

Tgt Ion:168 Resp: 1208341

Ion Ratio Lower Upper

168 100

99 48.3 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.05

500000

400000

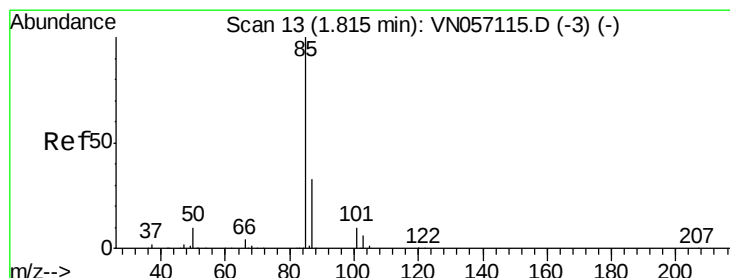
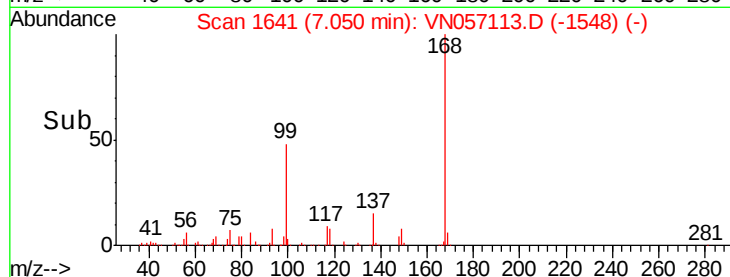
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.762 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057113.D

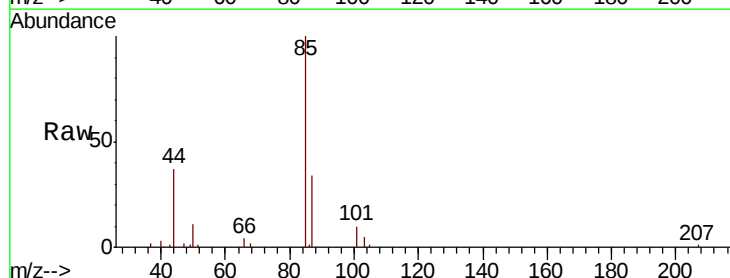
Acq: 7 Aug 2019 19:18

Tgt Ion: 85 Resp: 54243

Ion Ratio Lower Upper

85 100

87 33.7 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

40000

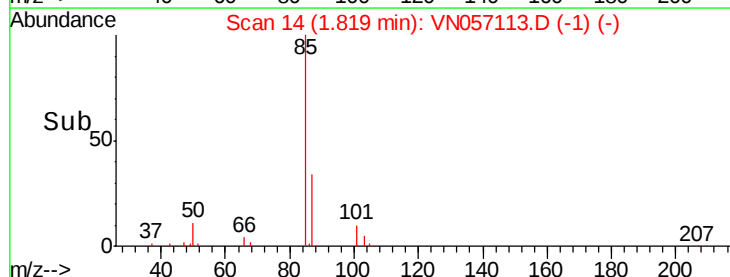
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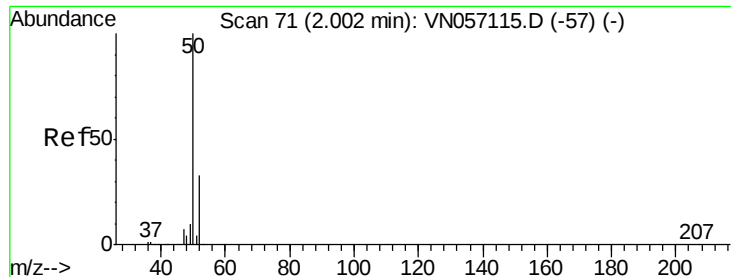
20000

10000

0

Time-->





#3

Chloromethane

Concen: 5.498 ug/l

RT: 2.00 min Scan# 71

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

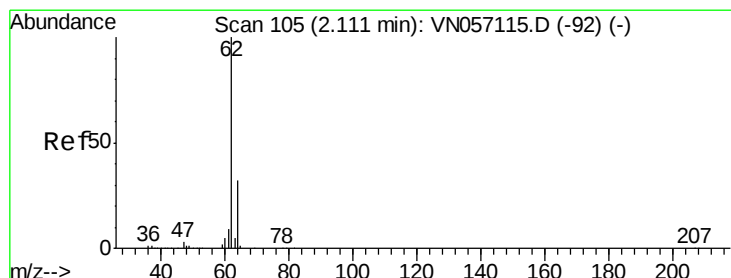
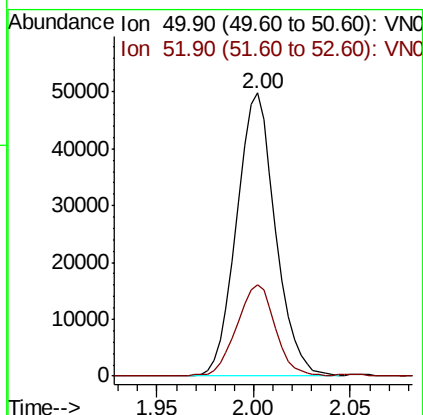
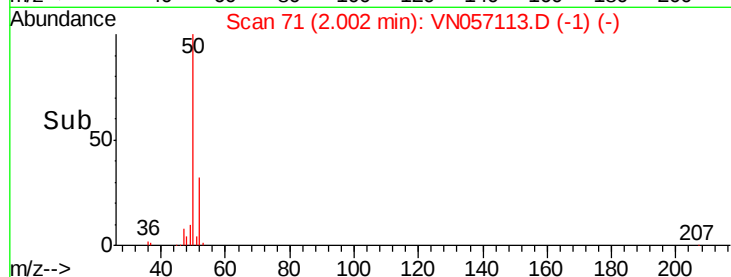
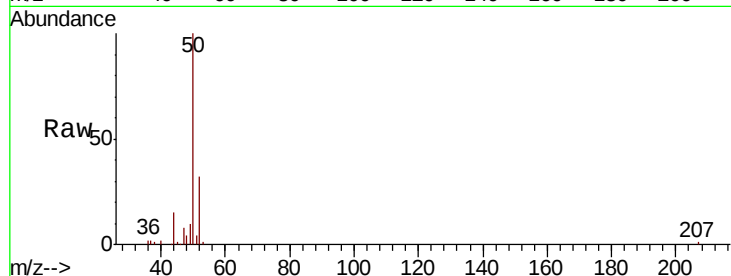
VSTDIC005

Tgt Ion: 50 Resp: 69268

Ion Ratio Lower Upper

50 100

52 31.9 26.1 39.1



#4

Vinyl Chloride

Concen: 5.293 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057113.D

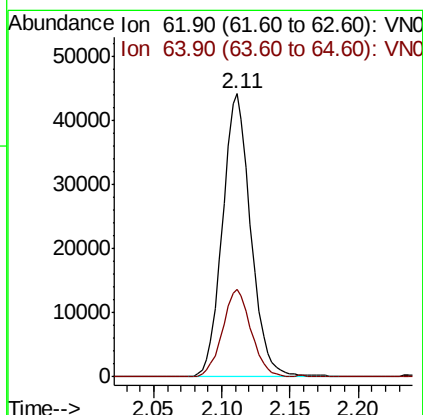
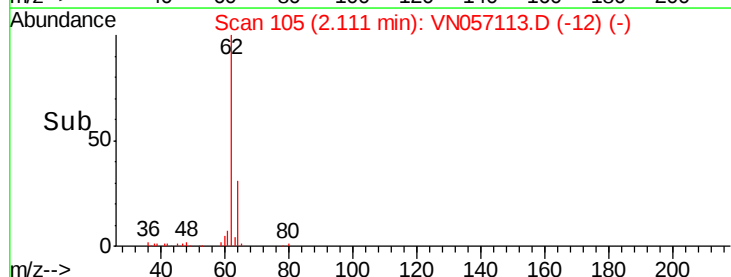
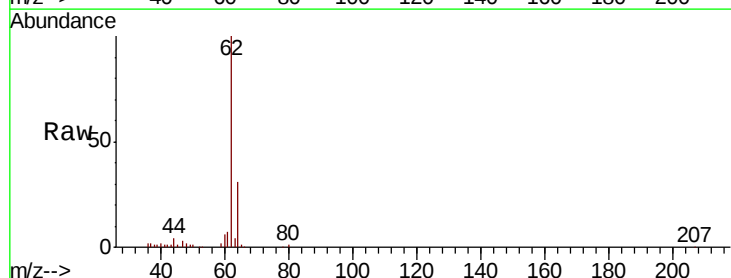
Acq: 7 Aug 2019 19:18

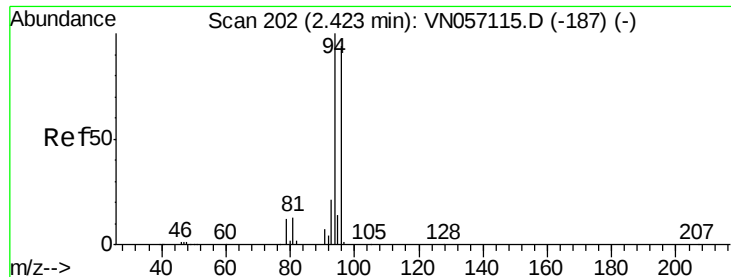
Tgt Ion: 62 Resp: 63719

Ion Ratio Lower Upper

62 100

64 31.2 25.4 38.0





#5

Bromomethane

Concen: 6.418 ug/l

RT: 2.42 min Scan# 202

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

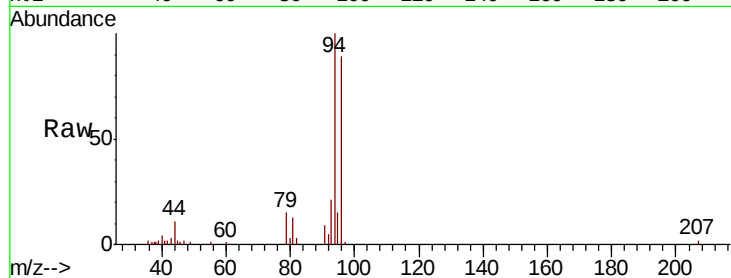
VSTDIC005

Tgt Ion: 94 Resp: 46537

Ion Ratio Lower Upper

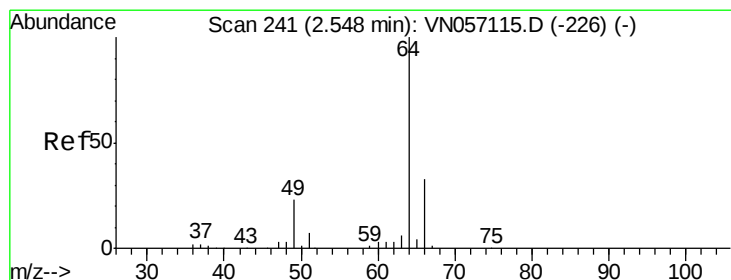
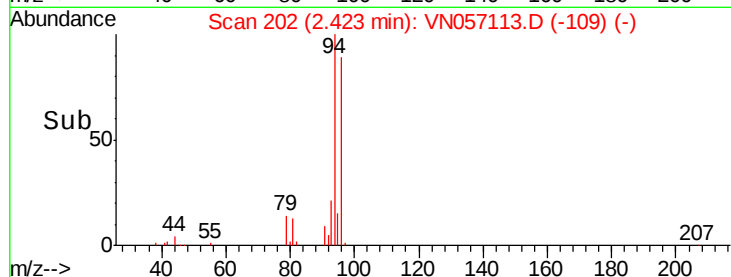
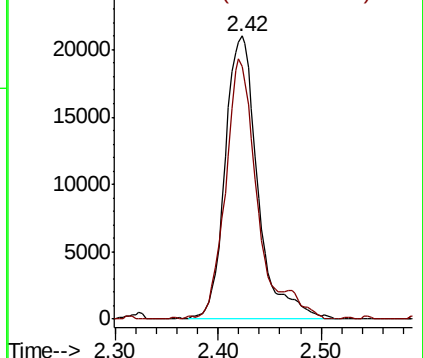
94 100

96 89.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 6.708 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057113.D

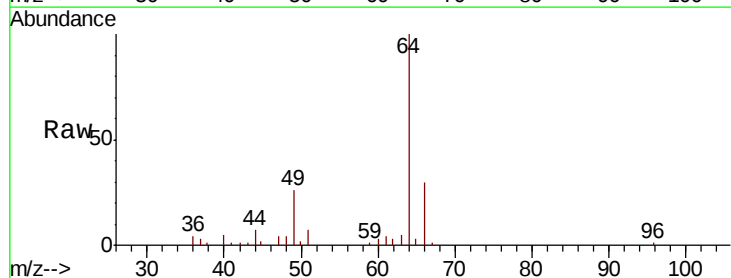
Acq: 7 Aug 2019 19:18

Tgt Ion: 64 Resp: 39739

Ion Ratio Lower Upper

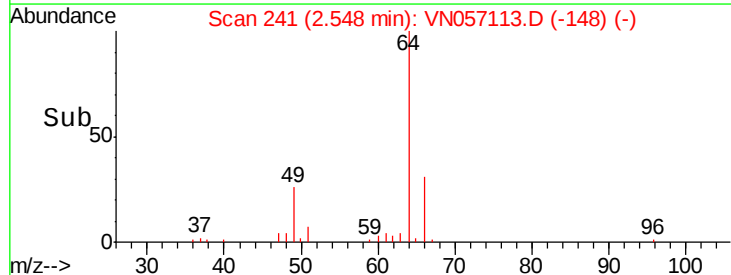
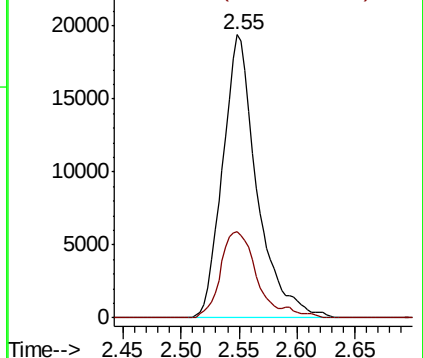
64 100

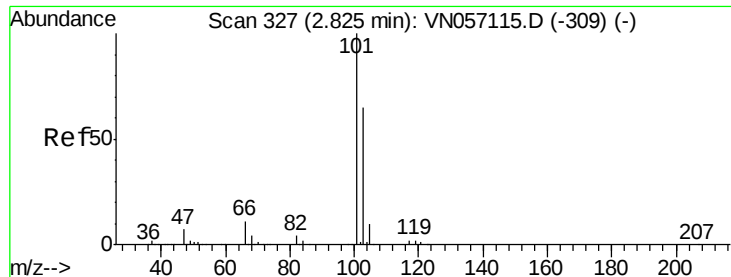
66 30.3 26.2 39.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



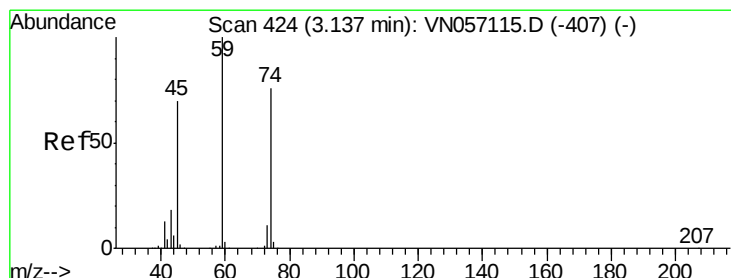
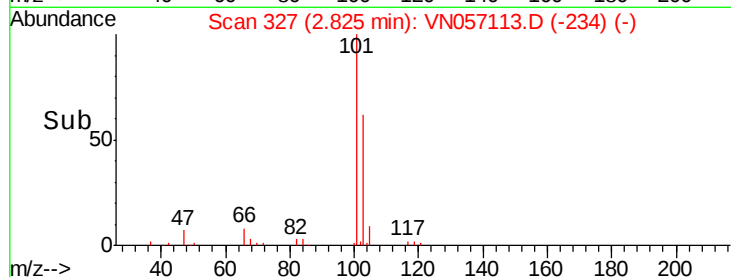
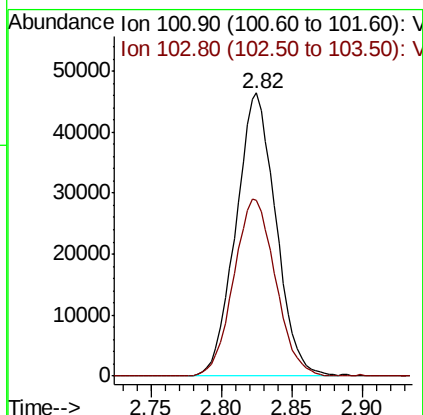
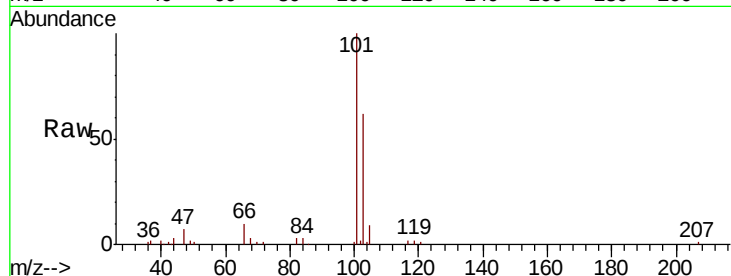


#7

Trichlorofluoromethane
 Concen: 5.549 ug/l
 RT: 2.82 min Scan# 327
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

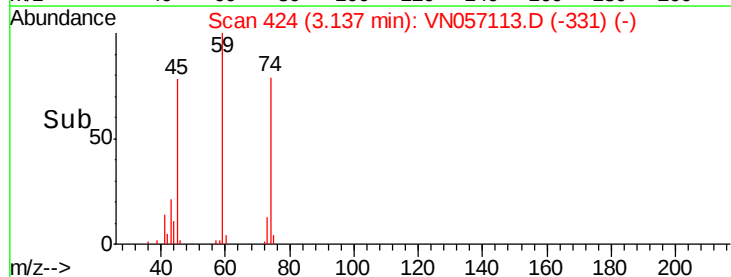
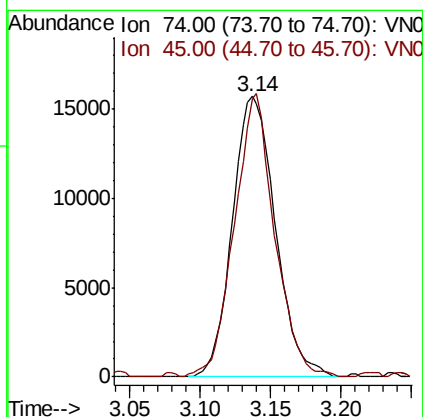
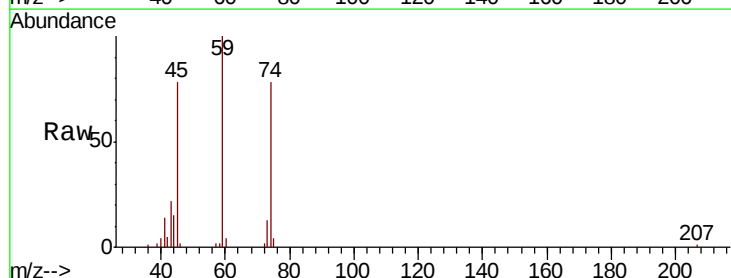
Tgt Ion: 101 Resp: 92142
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.2 78.4

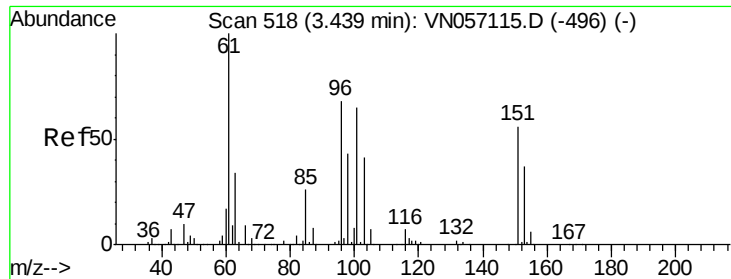


#8

Diethyl Ether
 Concen: 4.970 ug/l
 RT: 3.14 min Scan# 424
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion: 74 Resp: 33661
 Ion Ratio Lower Upper
 74 100
 45 93.9 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.262 ug/l

RT: 3.44 min Scan# 517

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

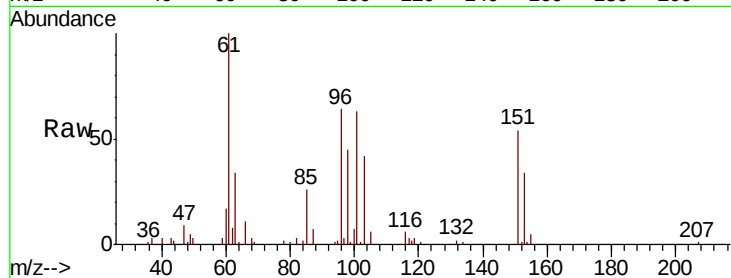
Tgt Ion:101 Resp: 55320

Ion Ratio Lower Upper

101 100

85 42.2 32.3 48.5

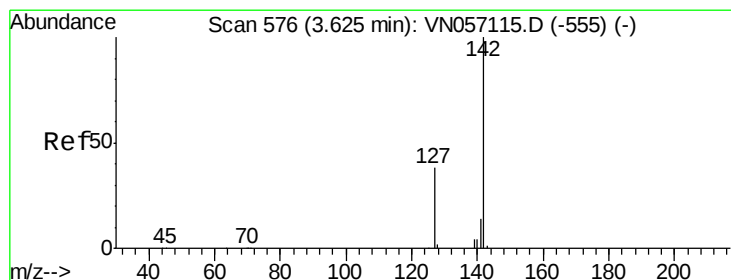
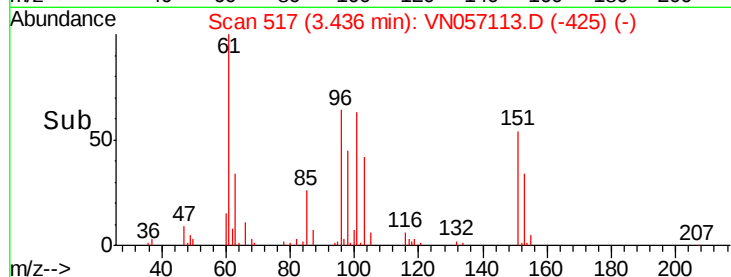
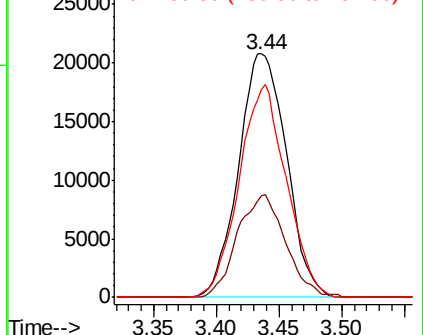
151 85.8 69.4 104.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.808 ug/l

RT: 3.63 min Scan# 576

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

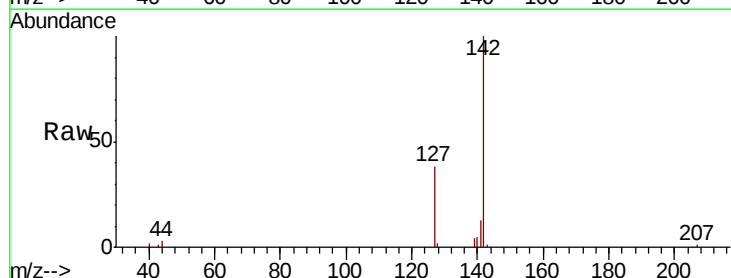
Tgt Ion:142 Resp: 73047

Ion Ratio Lower Upper

142 100

127 36.7 31.0 46.6

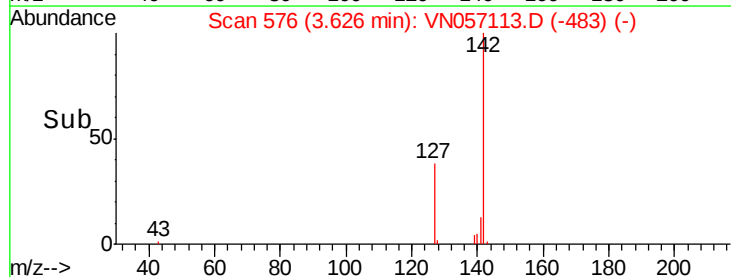
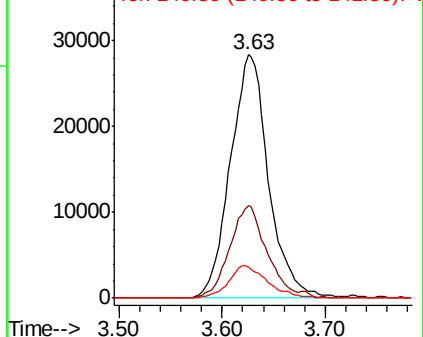
141 13.4 11.2 16.8

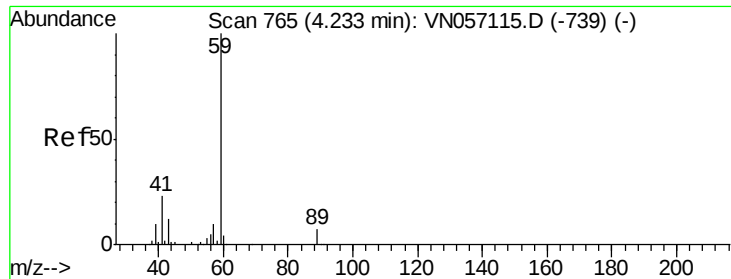


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

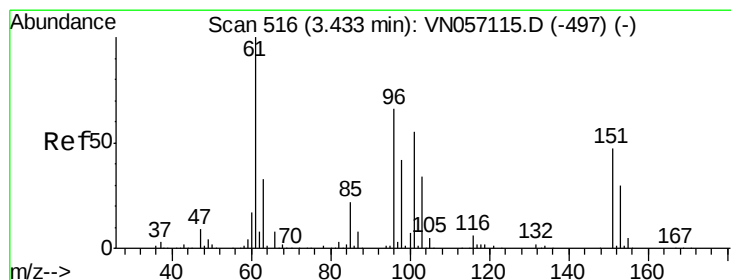
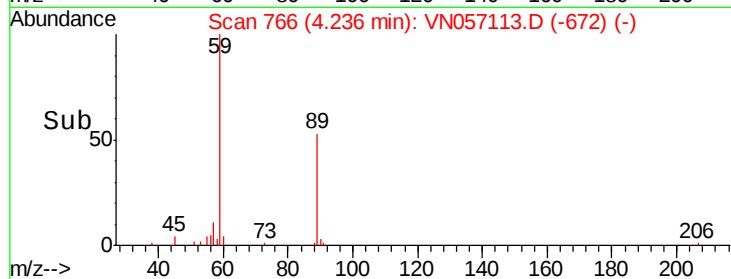
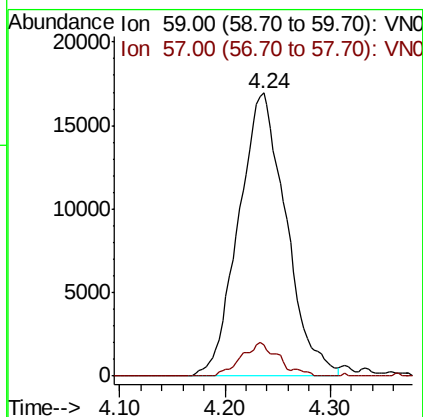
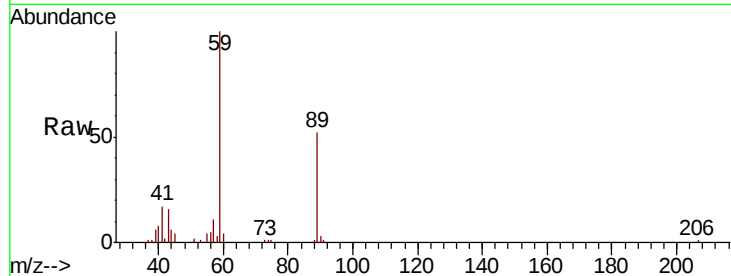




#11
Tert butyl alcohol
Concen: 38.953 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

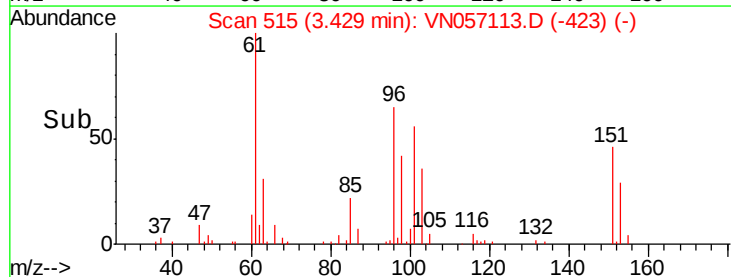
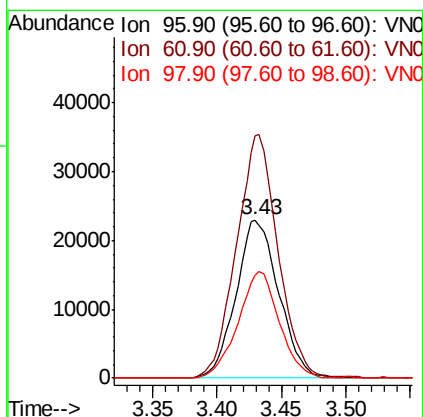
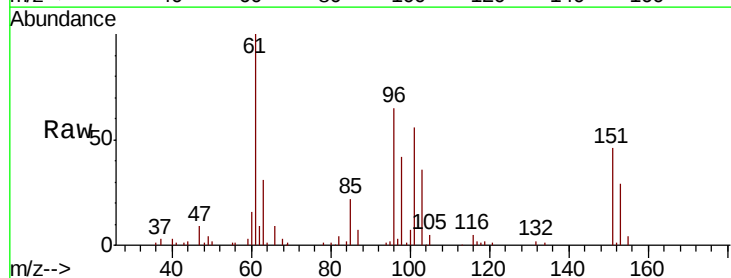
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

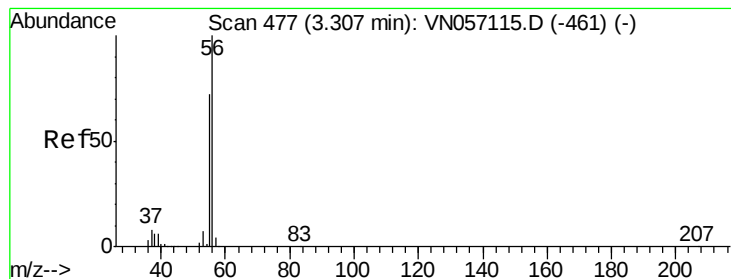
Tgt Ion: 59 Resp: 52942
Ion Ratio Lower Upper
59 100
57 8.7 7.9 11.9



#12
1,1-Dichloroethene
Concen: 5.035 ug/l
RT: 3.43 min Scan# 515
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 96 Resp: 53054
Ion Ratio Lower Upper
96 100
61 153.4 121.0 181.6
98 64.8 50.8 76.2





#13

Acrolein

Concen: 28.616 ug/l

RT: 3.31 min Scan# 477

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

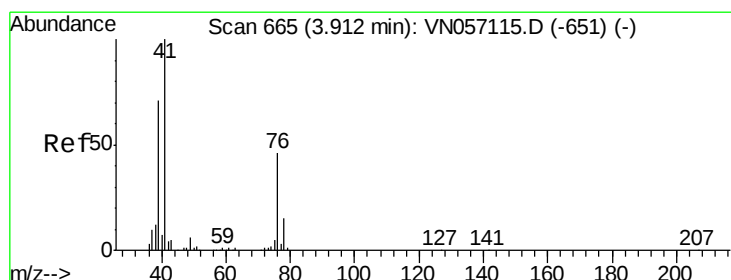
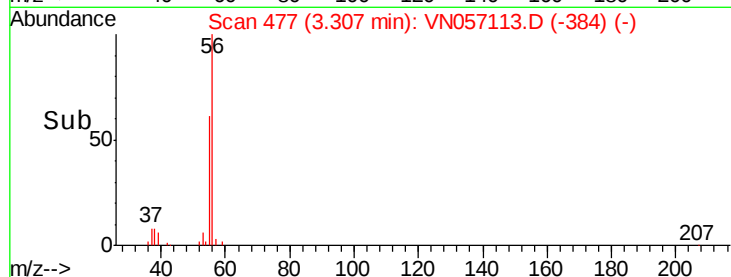
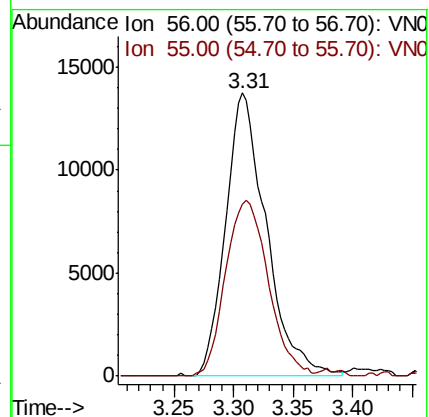
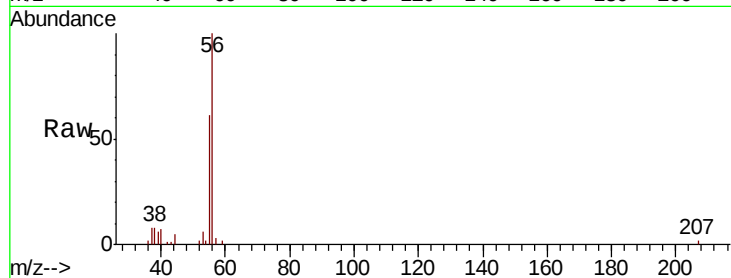
VSTDIC005

Tgt Ion: 56 Resp: 32589

Ion Ratio Lower Upper

56 100

55 65.3 57.7 86.5



#14

Allyl chloride

Concen: 4.780 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

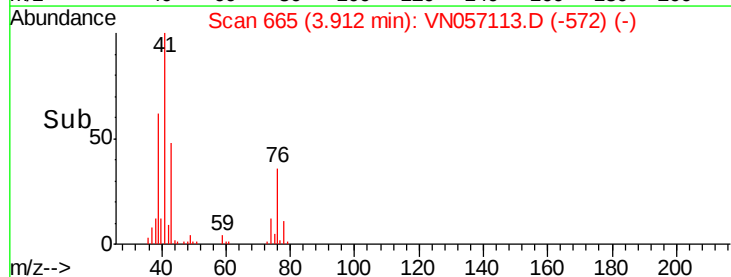
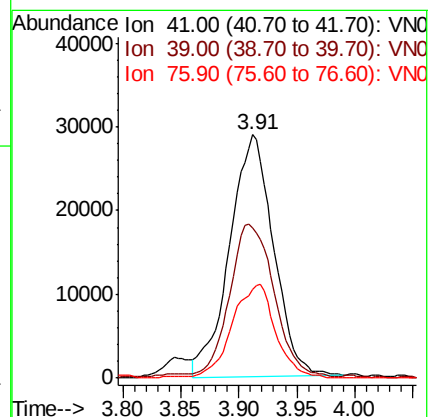
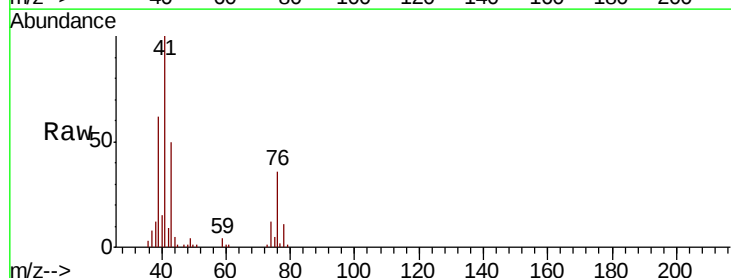
Tgt Ion: 41 Resp: 75615

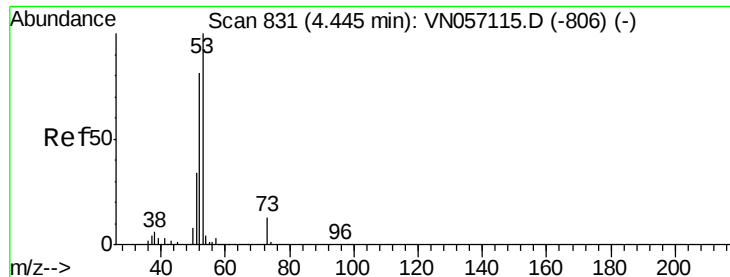
Ion Ratio Lower Upper

41 100

39 63.7 51.1 76.7

76 38.4 32.8 49.2





#15

Acrylonitrile

Concen: 27.640 ug/l

RT: 4.45 min Scan# 832

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

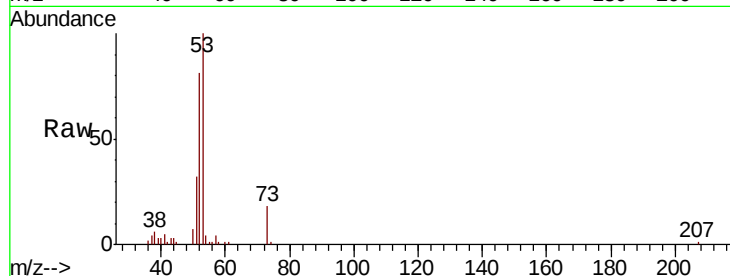
Tgt Ion: 53 Resp: 122308

Ion Ratio Lower Upper

53 100

52 80.4 64.9 97.3

51 34.2 27.8 41.6

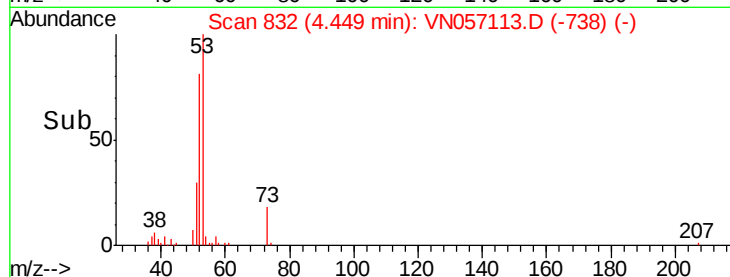


Abundance Ion 53.00 (52.70 to 53.70): VN057113.D (-806) (-)

Ion 52.00 (51.70 to 52.70): VN057113.D (-806) (-)

Ion 51.00 (50.70 to 51.70): VN057113.D (-806) (-)

Time-->

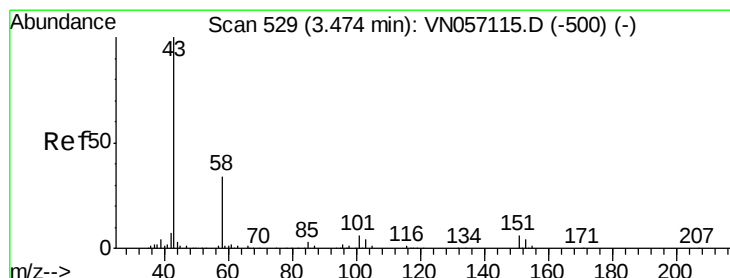


Abundance Ion 53.00 (52.70 to 53.70): VN057113.D (-738) (-)

Ion 52.00 (51.70 to 52.70): VN057113.D (-738) (-)

Ion 51.00 (50.70 to 51.70): VN057113.D (-738) (-)

Time-->



#16

Acetone

Concen: 25.392 ug/l

RT: 3.48 min Scan# 530

Delta R.T. 0.00 min

Lab File: VN057113.D

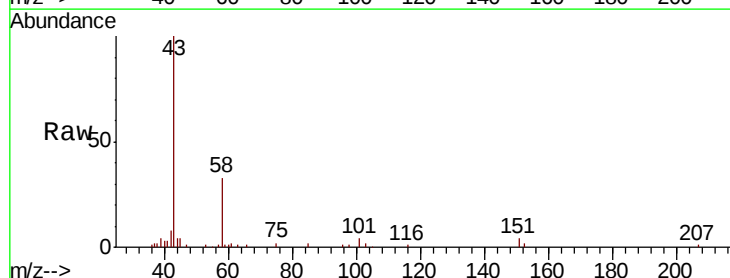
Acq: 7 Aug 2019 19:18

Tgt Ion: 43 Resp: 97247

Ion Ratio Lower Upper

43 100

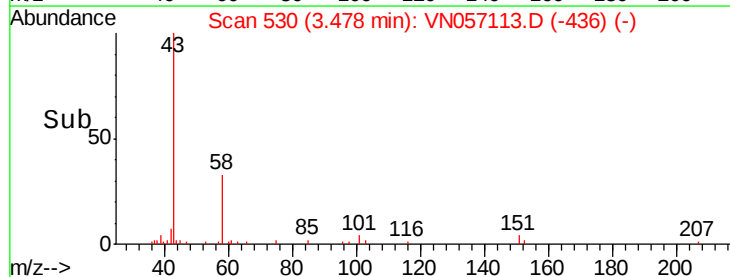
58 32.9 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN057113.D (-500) (-)

Ion 58.00 (57.70 to 58.70): VN057113.D (-500) (-)

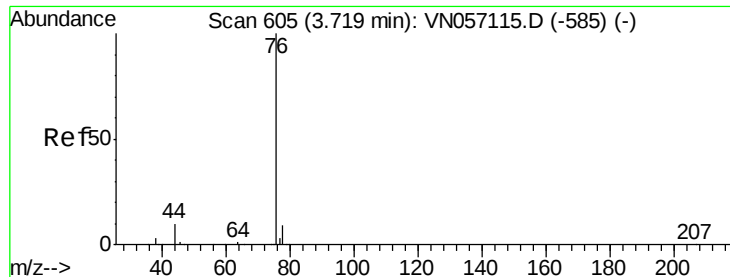
Time-->



Abundance Ion 43.00 (42.70 to 43.70): VN057113.D (-436) (-)

Ion 58.00 (57.70 to 58.70): VN057113.D (-436) (-)

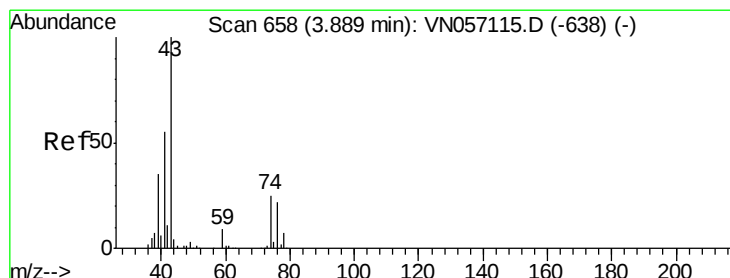
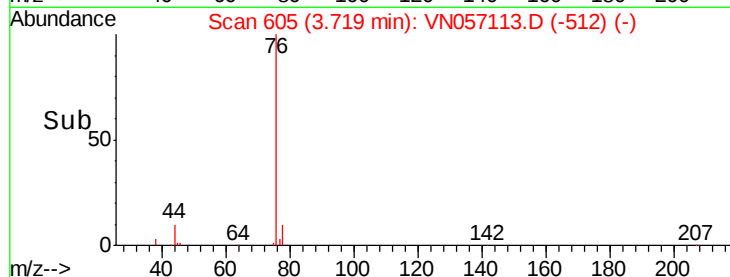
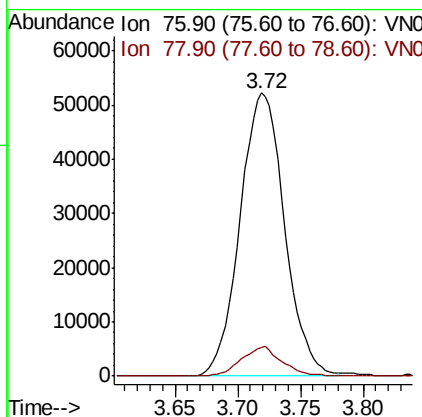
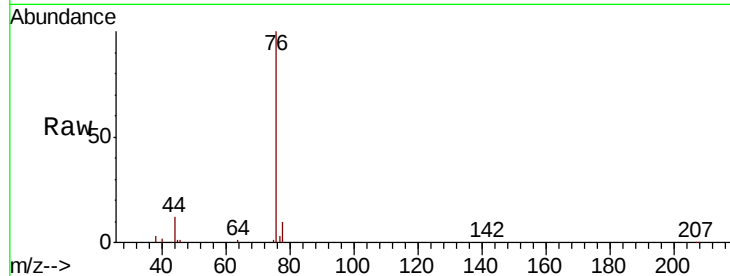
Time-->



#17
Carbon Disulfide
Concen: 4.991 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

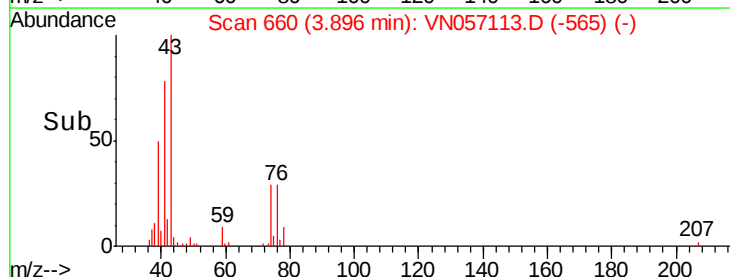
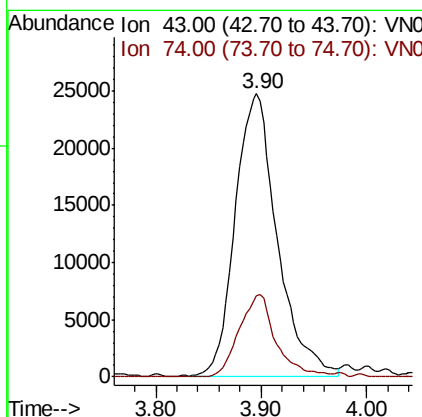
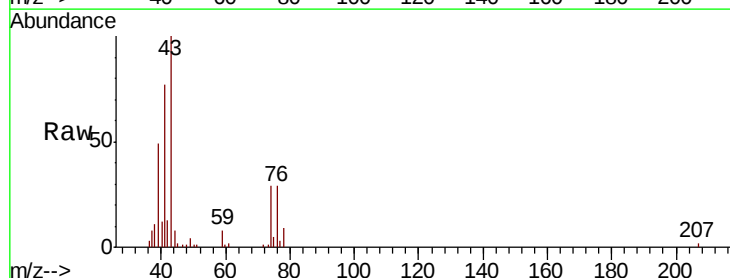
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

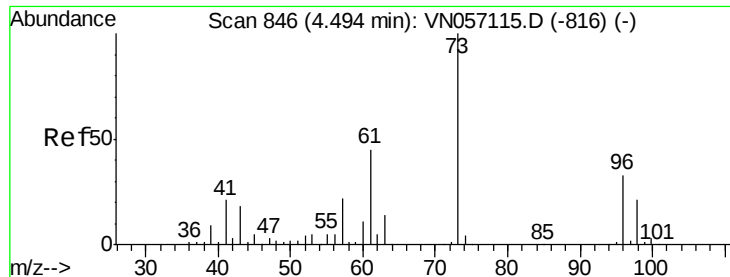
Tgt Ion: 76 Resp: 128655
Ion Ratio Lower Upper
76 100
78 10.3 7.0 10.6



#18
Methyl Acetate
Concen: 5.204 ug/l
RT: 3.90 min Scan# 660
Delta R.T. 0.01 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 43 Resp: 68959
Ion Ratio Lower Upper
43 100
74 25.3 20.2 30.4

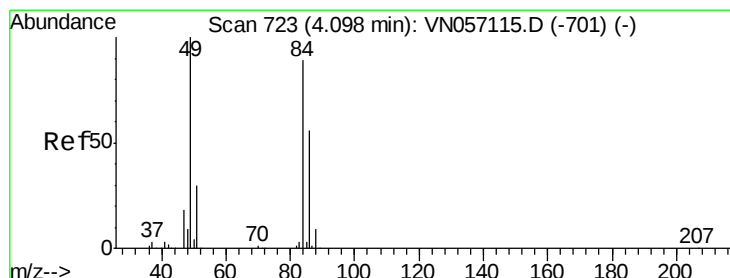
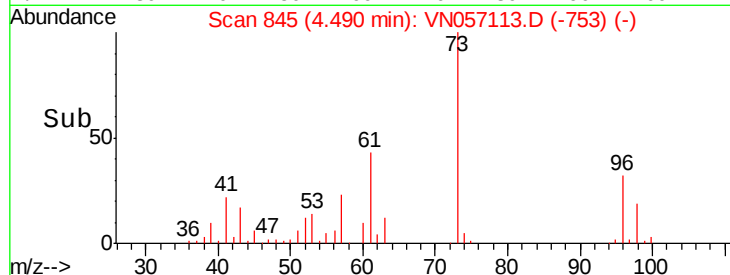
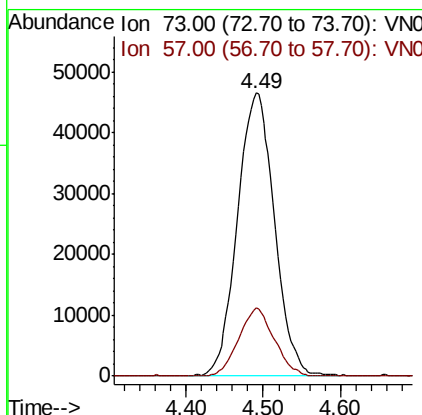
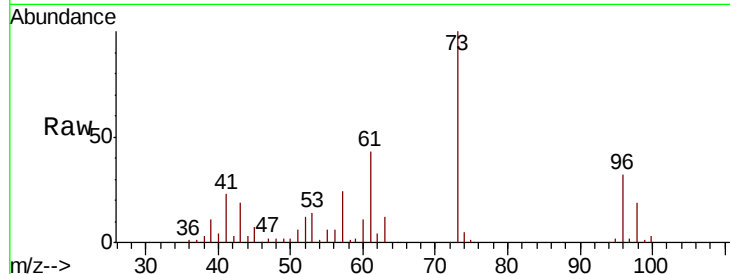




#19
Methyl tert-butyl Ether
Concen: 5.028 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

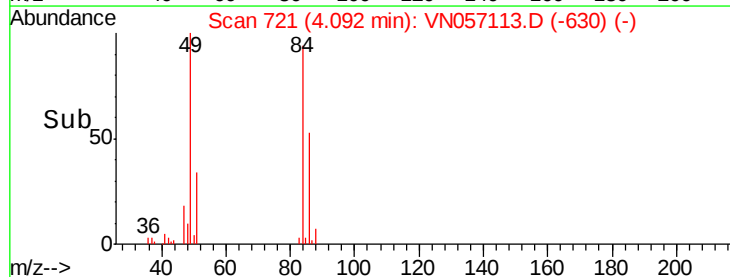
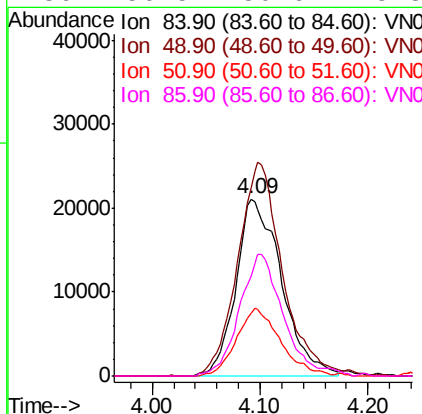
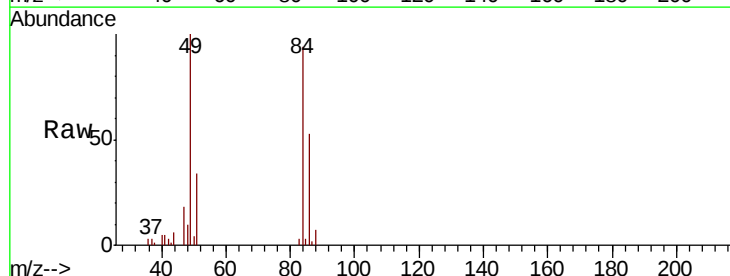
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

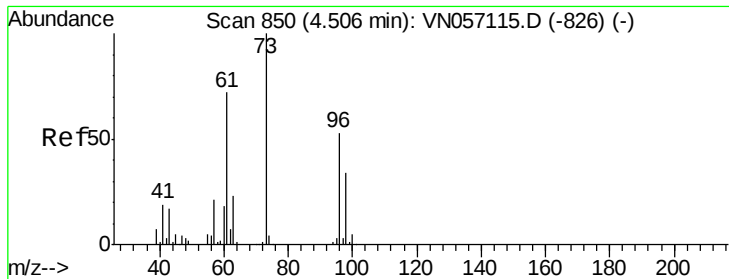
Tgt Ion: 73 Resp: 155147
Ion Ratio Lower Upper
73 100
57 23.9 18.0 27.0



#20
Methylene Chloride
Concen: 5.127 ug/l
RT: 4.09 min Scan# 721
Delta R.T. -0.01 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 84 Resp: 62055
Ion Ratio Lower Upper
84 100
49 106.8 89.5 134.3
51 35.9 27.2 40.8
86 56.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.204 ug/l

RT: 4.50 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

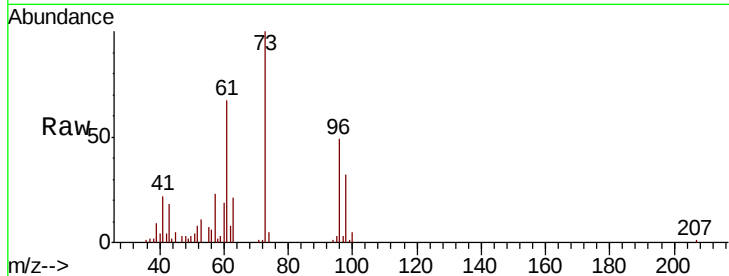
Tgt Ion: 96 Resp: 57773

Ion Ratio Lower Upper

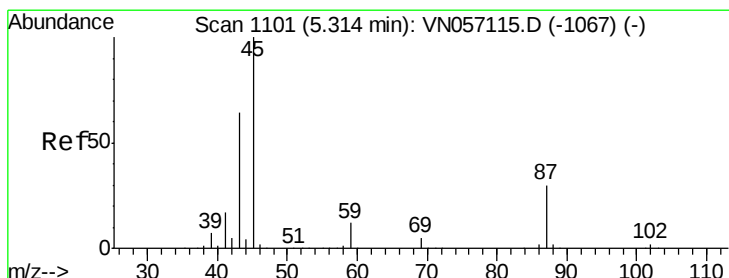
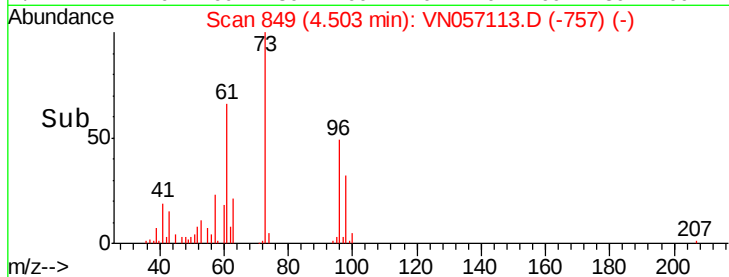
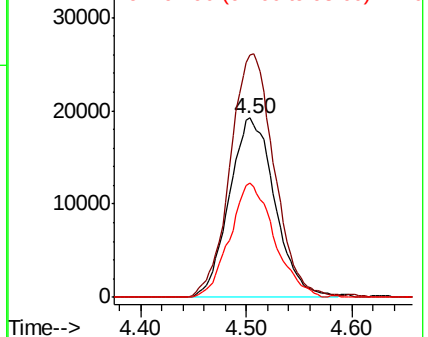
96 100

61 135.6 108.1 162.1

98 64.1 50.5 75.7



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



#22

Diisopropyl ether

Concen: 5.052 ug/l

RT: 5.32 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion: 45 Resp: 167819

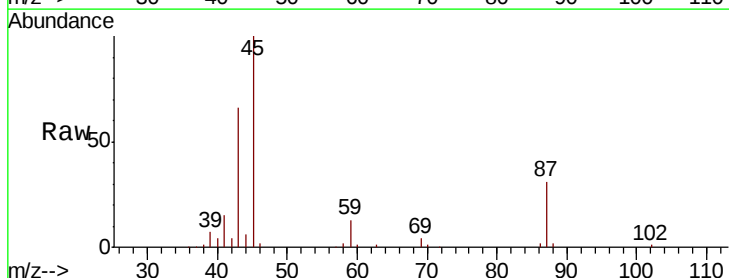
Ion Ratio Lower Upper

45 100

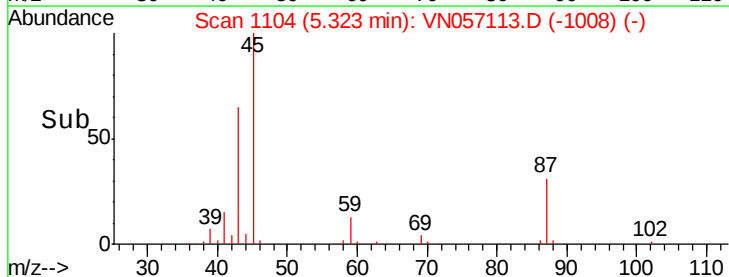
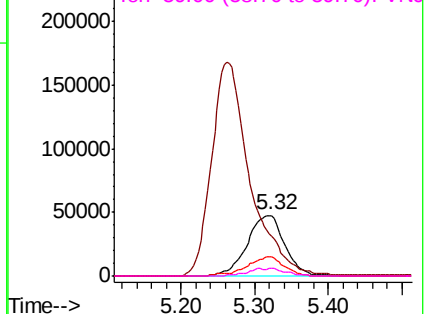
43 62.9 54.1 81.1

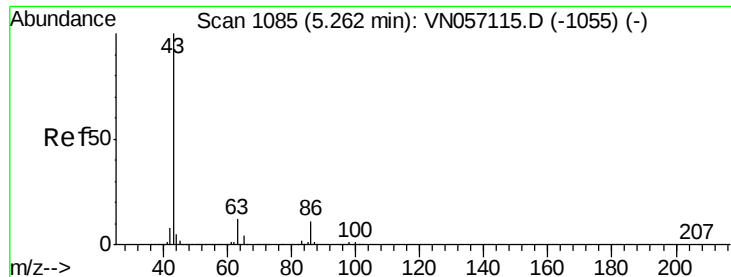
87 31.4 24.0 36.0

59 12.6 10.0 15.0



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





#23

Vinyl Acetate

Concen: 24.640 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

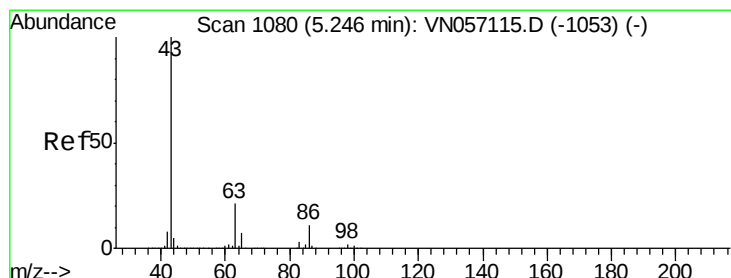
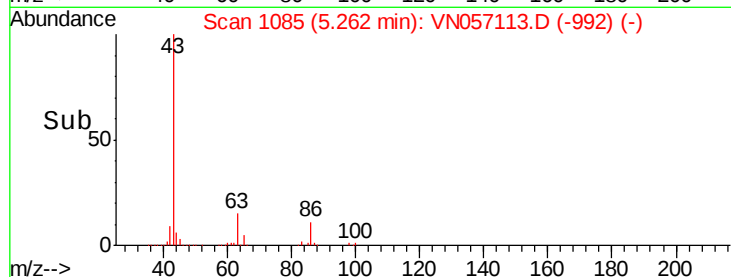
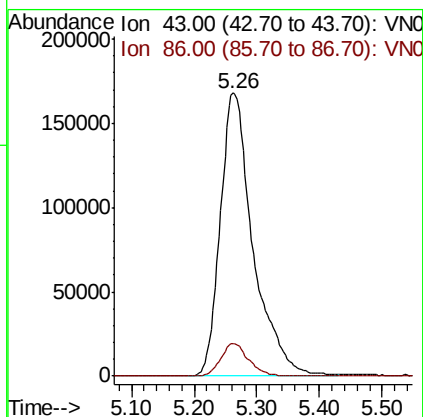
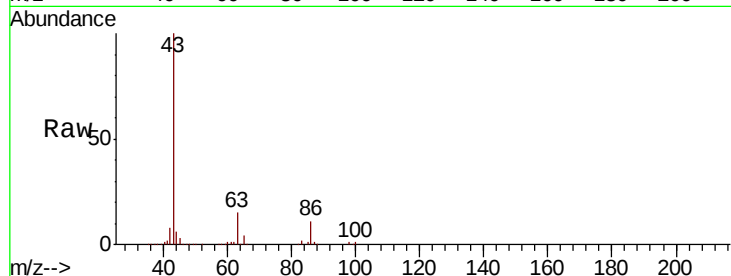
VSTDIC005

Tgt Ion: 43 Resp: 611241

Ion Ratio Lower Upper

43 100

86 11.4 9.2 13.8



#24

1,1-Dichloroethane

Concen: 5.102 ug/l

RT: 5.24 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

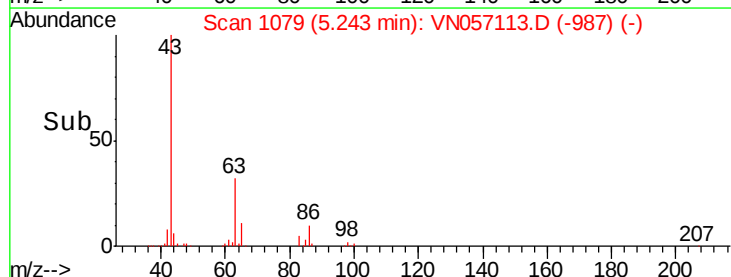
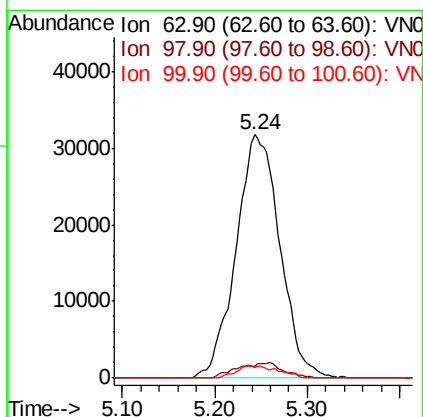
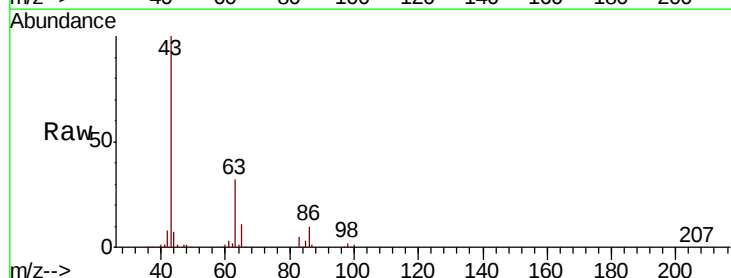
Tgt Ion: 63 Resp: 104330

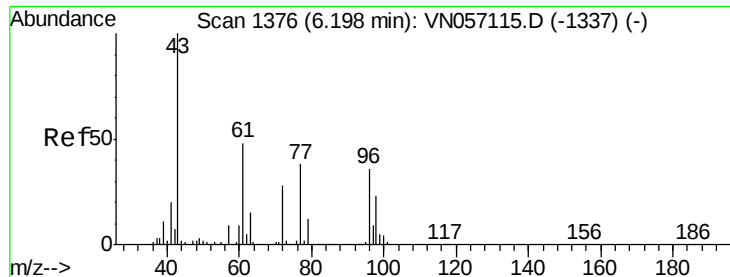
Ion Ratio Lower Upper

63 100

98 5.0 3.8 11.2

100 4.5 2.1 6.3





#25

2-Butanone

Concen: 26.462 ug/l

RT: 6.20 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

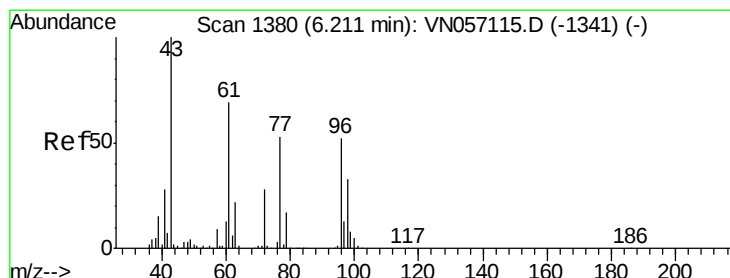
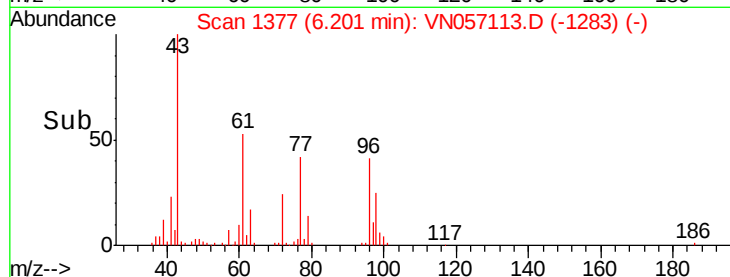
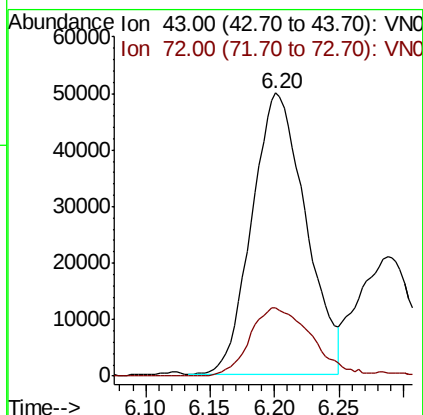
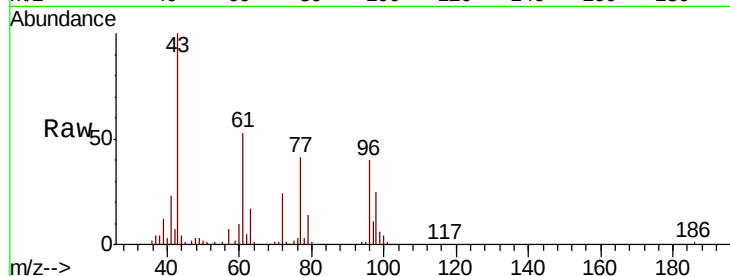
VSTDIC005

Tgt Ion: 43 Resp: 144564

Ion Ratio Lower Upper

43 100

72 24.5 22.2 33.4



#26

2,2-Dichloropropane

Concen: 4.665 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057113.D

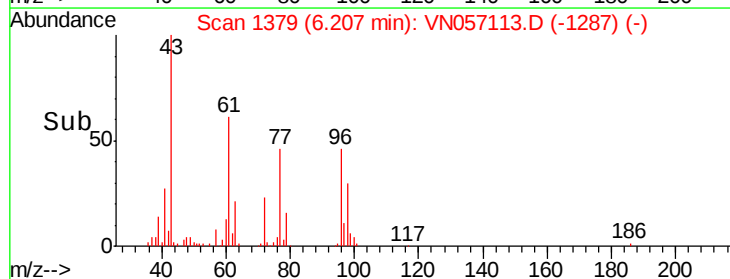
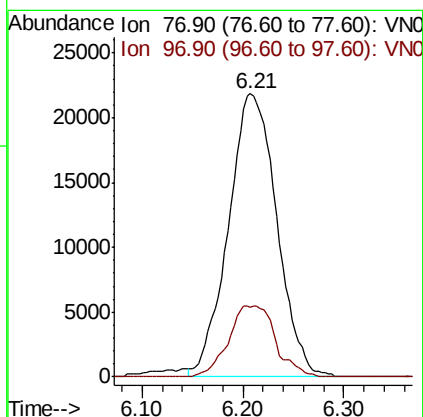
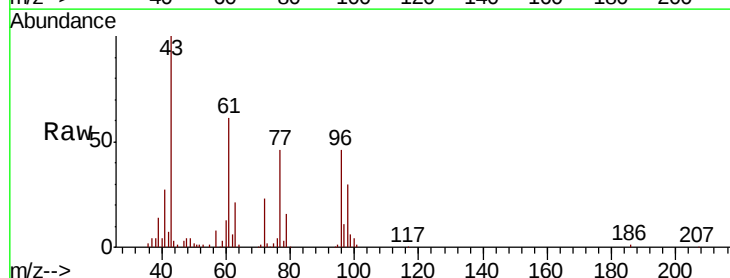
Acq: 7 Aug 2019 19:18

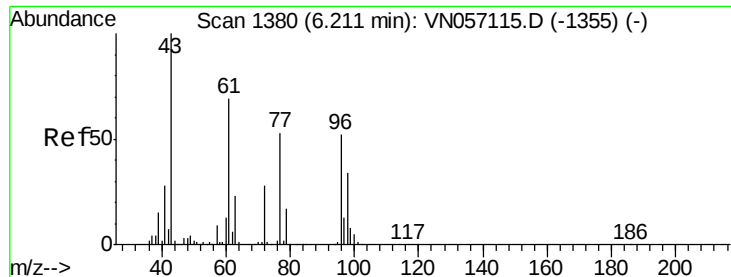
Tgt Ion: 77 Resp: 72714

Ion Ratio Lower Upper

77 100

97 12.0 12.3 36.8#





#27

cis-1,2-Dichloroethene

Concen: 5.184 ug/l

RT: 6.21 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

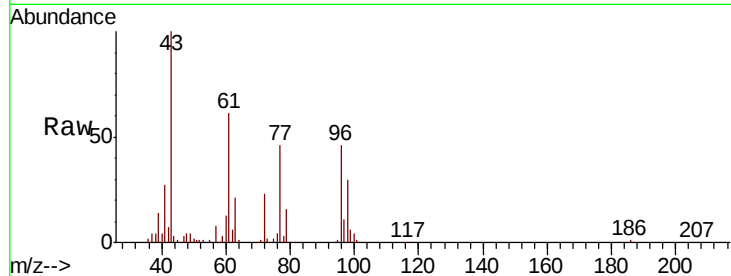
Tgt Ion: 96 Resp: 67192

Ion Ratio Lower Upper

96 100

61 128.4 0.0 273.4

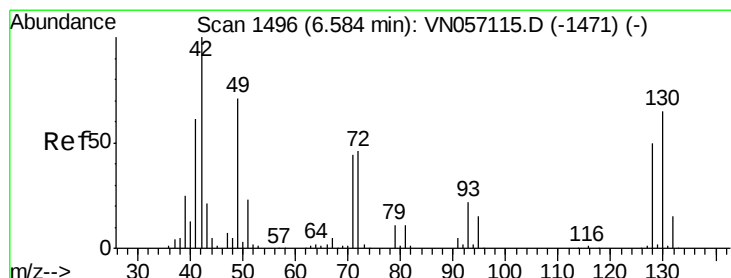
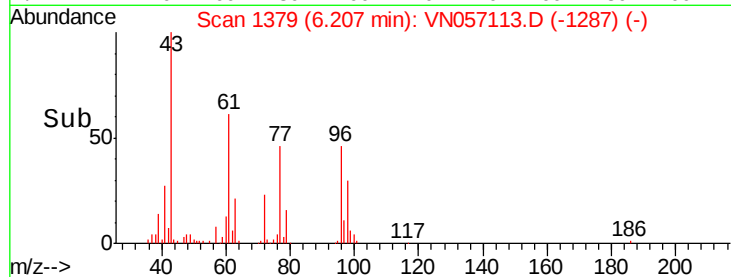
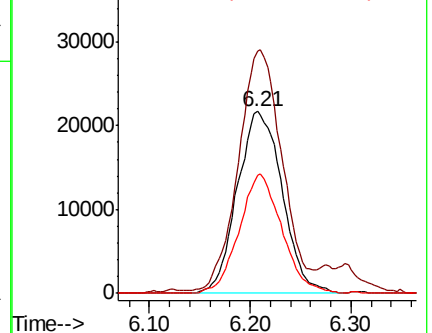
98 62.2 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 5.235 ug/l

RT: 6.59 min Scan# 1498

Delta R.T. 0.01 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

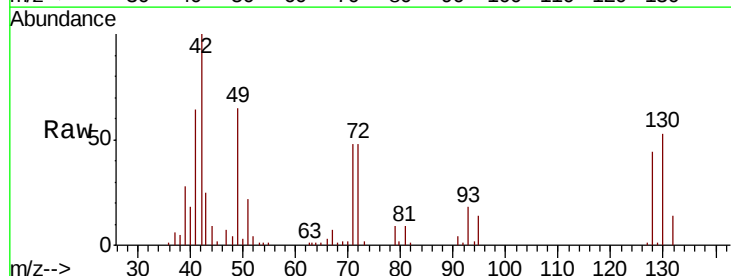
Tgt Ion: 49 Resp: 47369

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.8

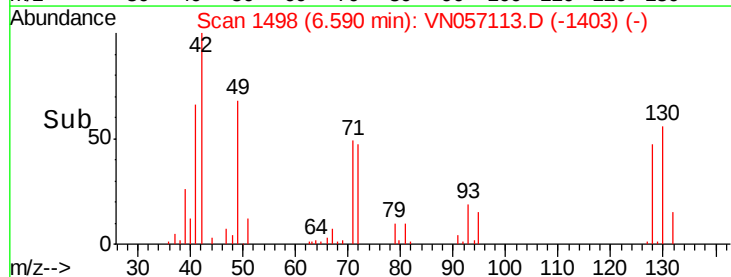
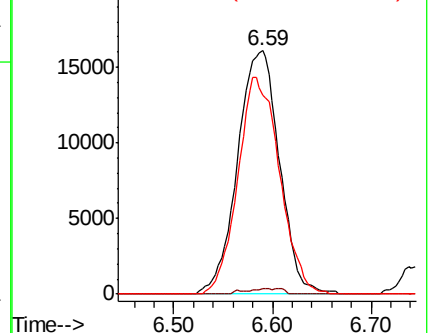
130 88.7 73.8 110.8

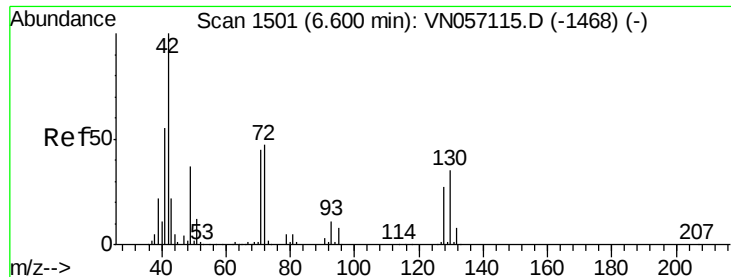


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 27.317 ug/l

RT: 6.60 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

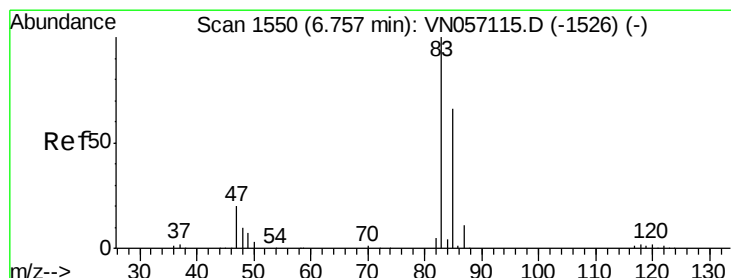
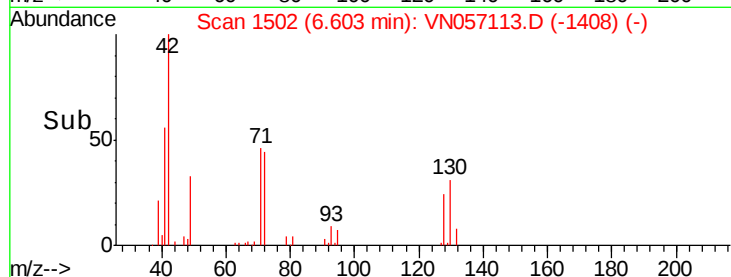
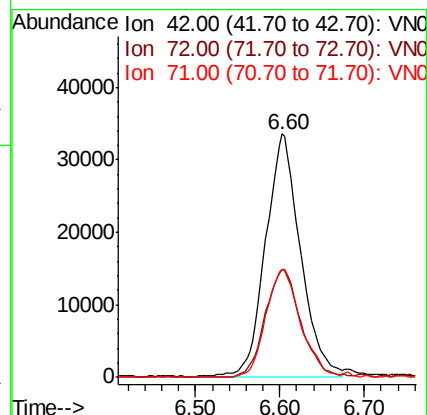
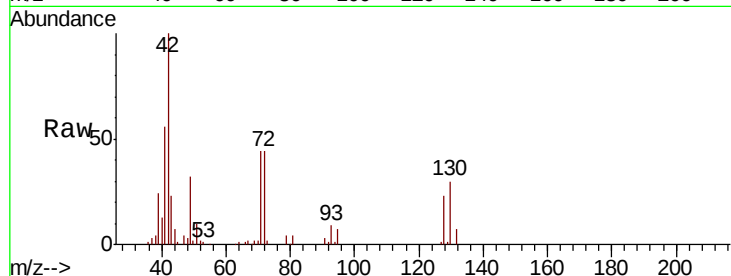
Tgt Ion: 42 Resp: 97087

Ion Ratio Lower Upper

42 100

72 45.3 37.1 55.7

71 43.7 34.8 52.2



#30

Chloroform

Concen: 5.090 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057113.D

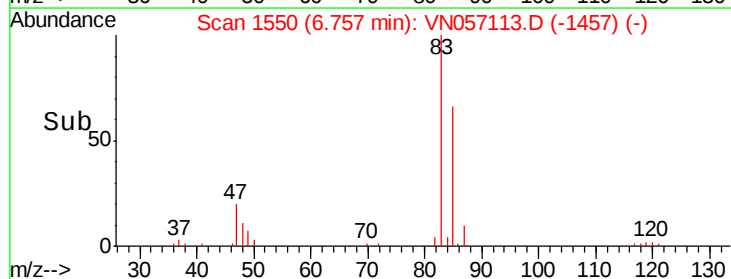
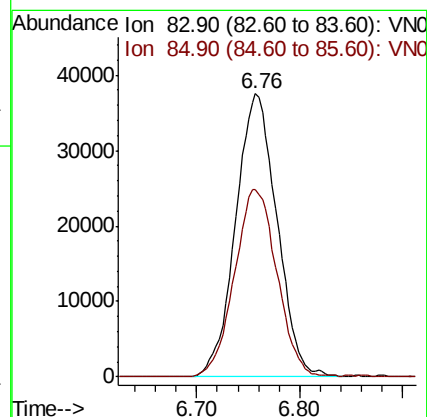
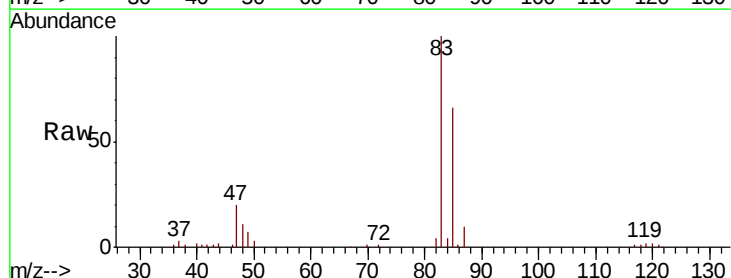
Acq: 7 Aug 2019 19:18

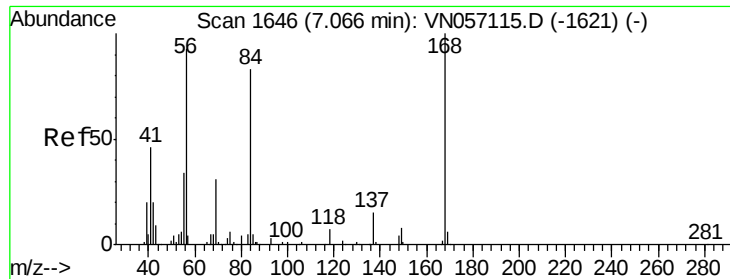
Tgt Ion: 83 Resp: 104325

Ion Ratio Lower Upper

83 100

85 66.1 52.6 78.8

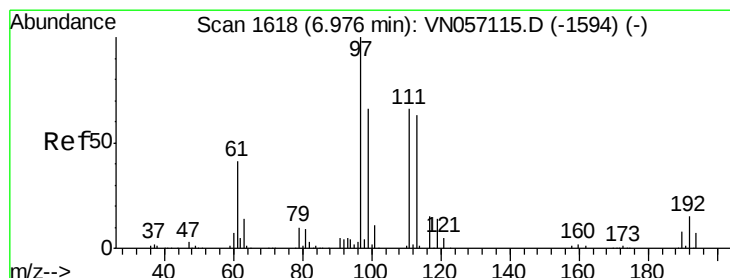
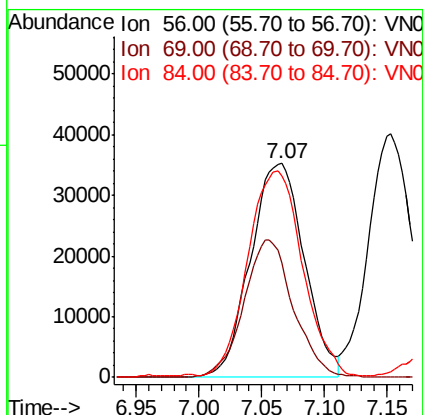
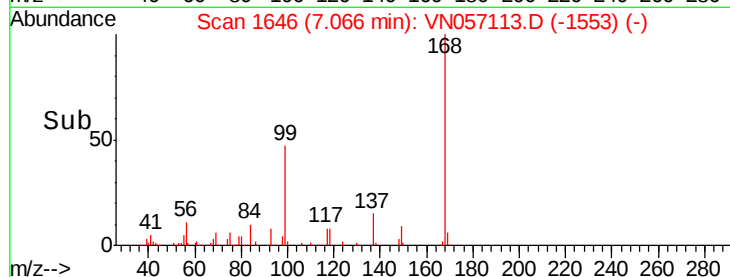
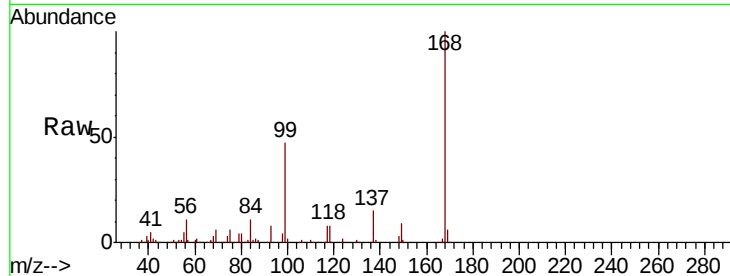




#31
Cyclohexane
Concen: 5.843 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

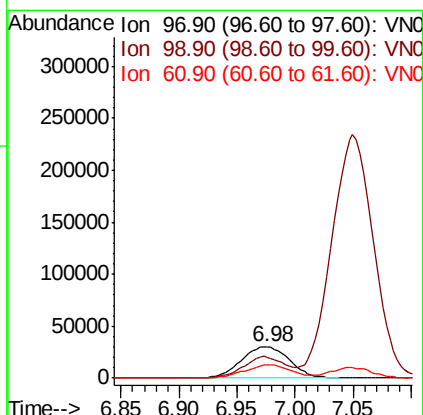
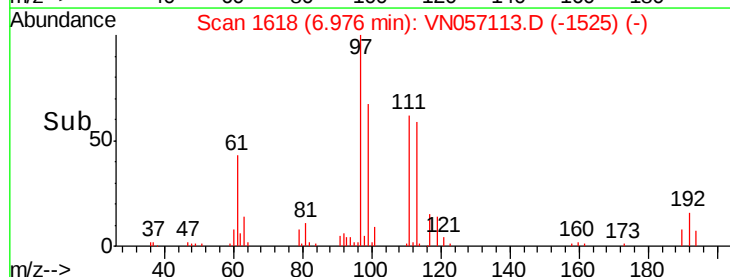
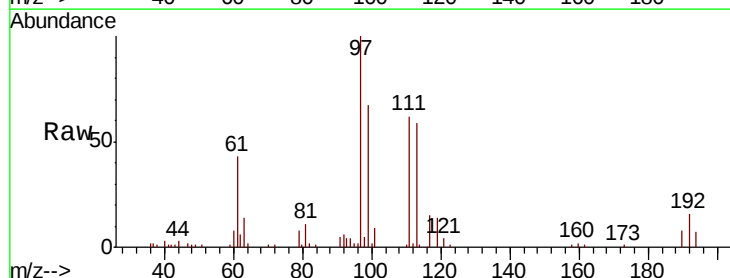
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

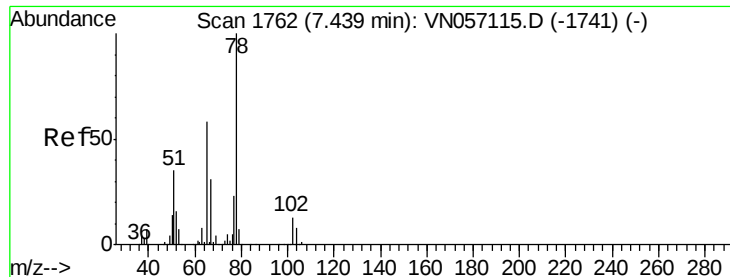
Tgt Ion: 56 Resp: 105776
Ion Ratio Lower Upper
56 100
69 53.3 26.9 40.3#
84 93.1 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 5.109 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 97 Resp: 87298
Ion Ratio Lower Upper
97 100
99 58.6 51.8 77.6
61 41.6 32.7 49.1





#33

1,2-Dichloroethane-d4

Concen: 4.997 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

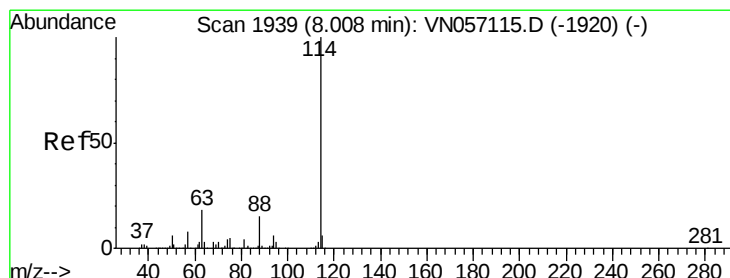
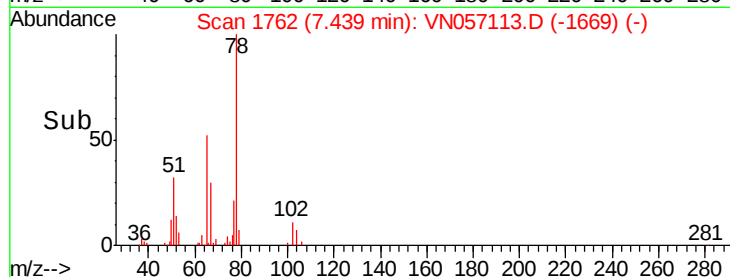
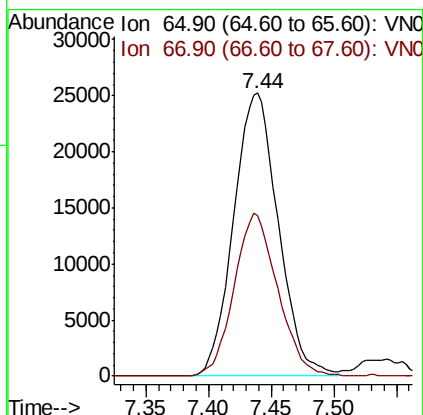
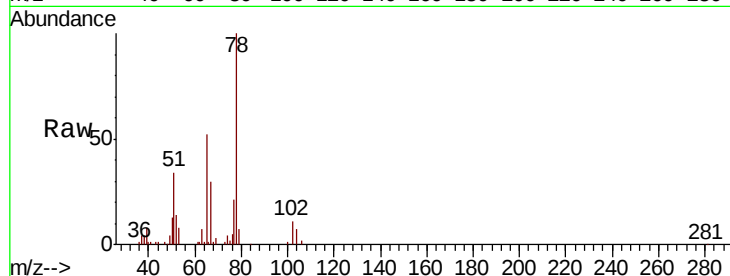
VSTDIC005

Tgt Ion: 65 Resp: 62501

Ion Ratio Lower Upper

65 100

67 56.0 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: VN057113.D

Acq: 7 Aug 2019 19:18

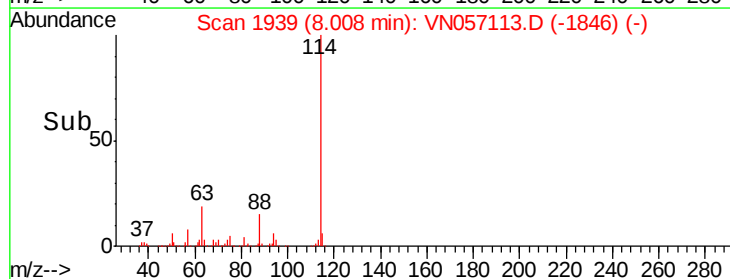
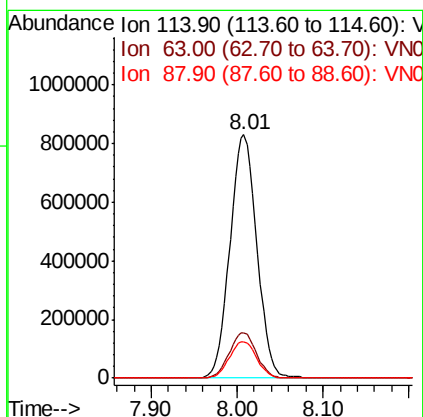
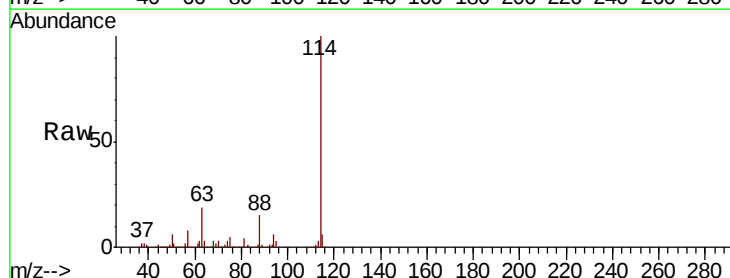
Tgt Ion: 114 Resp: 1801002

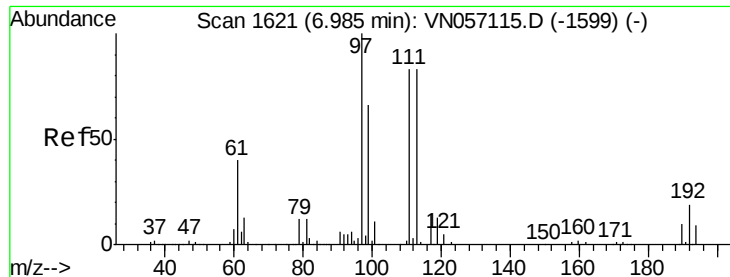
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.2

88 15.1 0.0 30.0

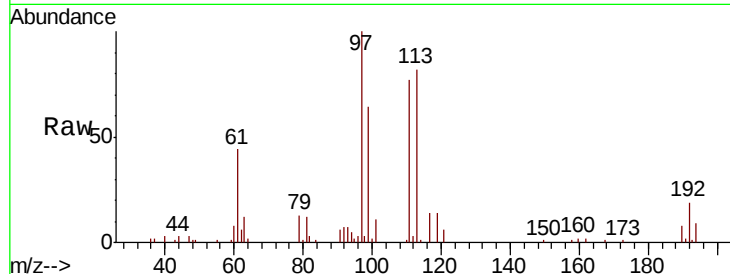




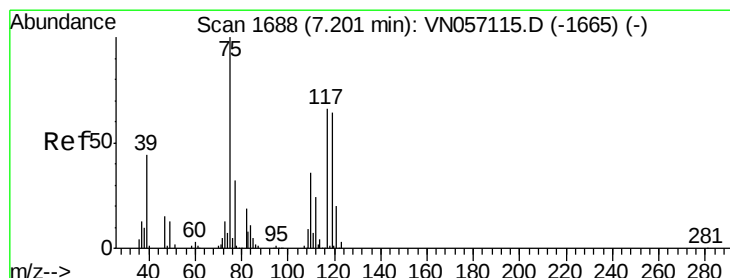
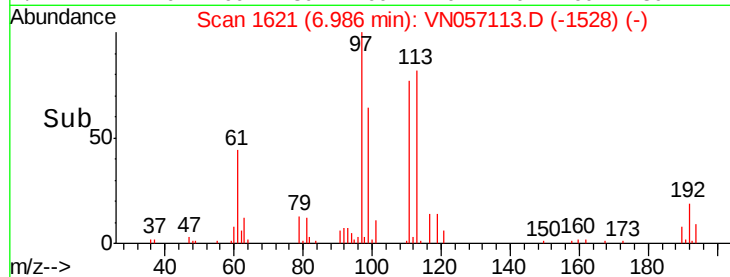
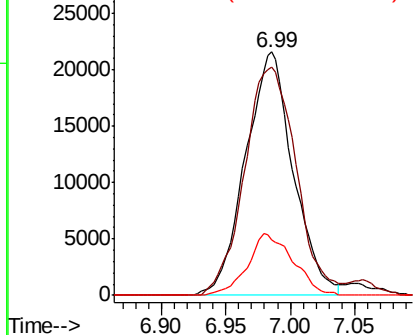
#35
 Dibromofluoromethane
 Concen: 4.902 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 55589
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.3 121.9
 192 24.1 19.0 28.4

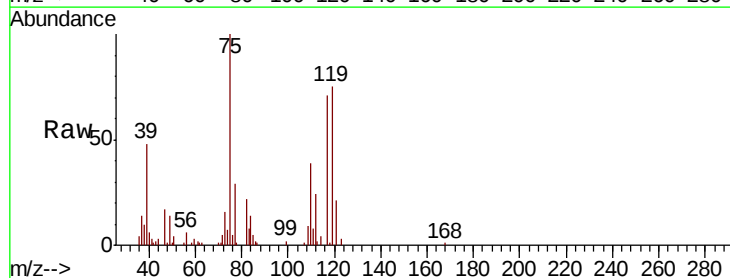


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

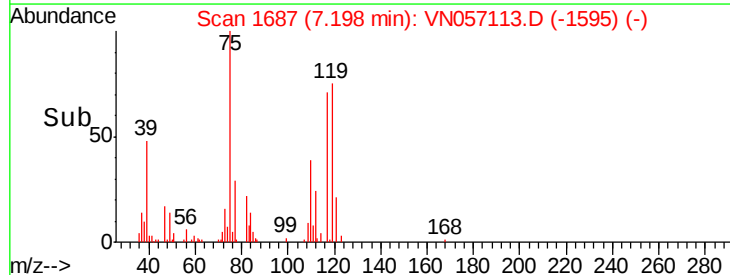
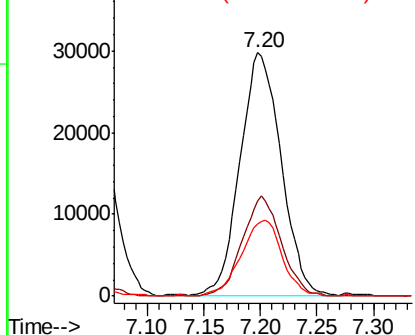


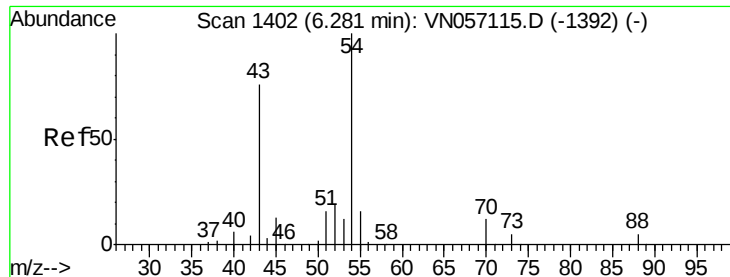
#36
 1,1-Dichloropropene
 Concen: 4.834 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion: 75 Resp: 75624
 Ion Ratio Lower Upper
 75 100
 110 38.6 18.7 56.1
 77 31.0 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

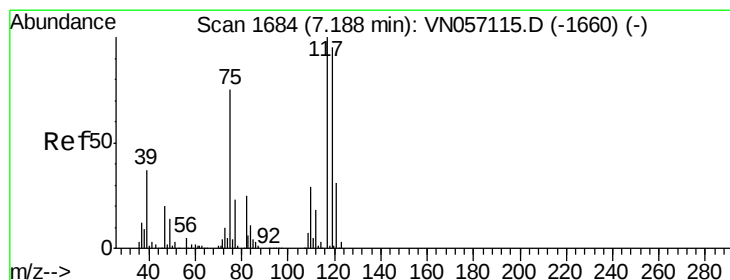
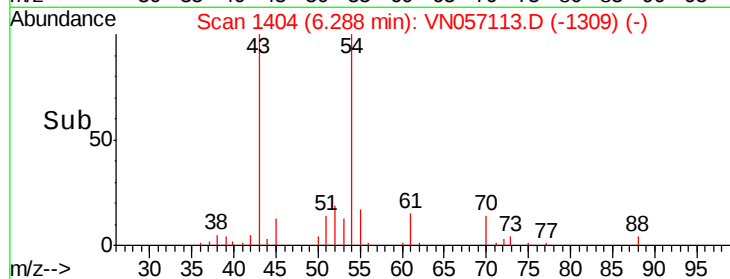
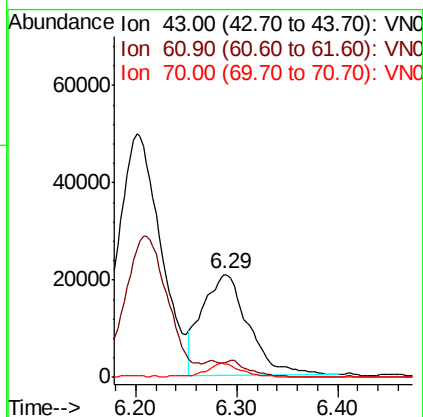
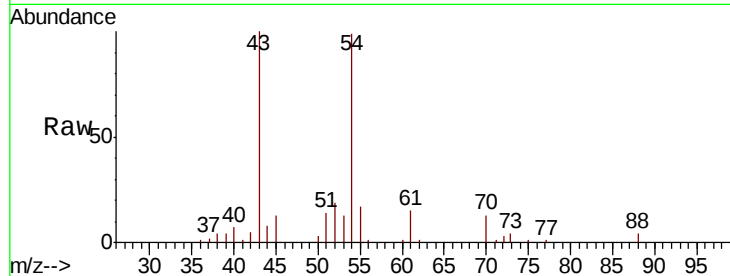




#37
 Ethyl Acetate
 Concen: 5.518 ug/l
 RT: 6.29 min Scan# 1404
 Delta R.T. 0.01 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

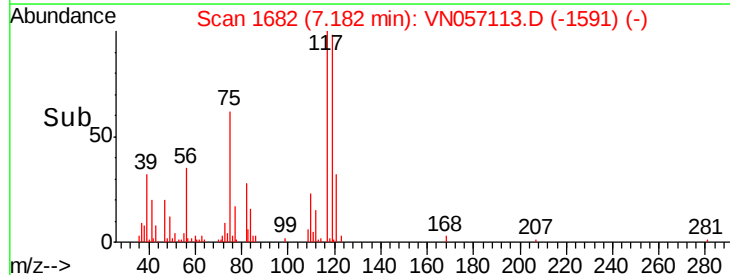
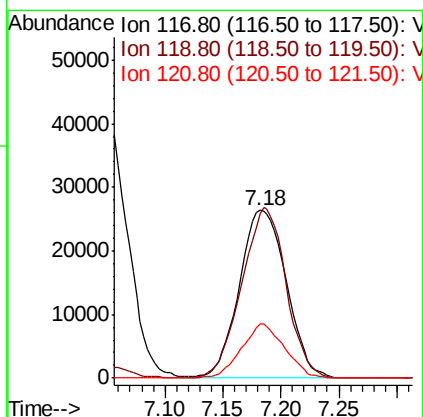
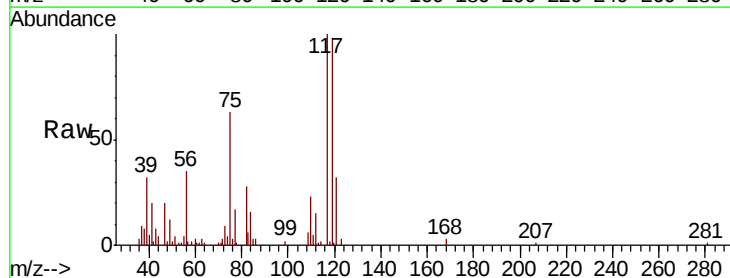
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

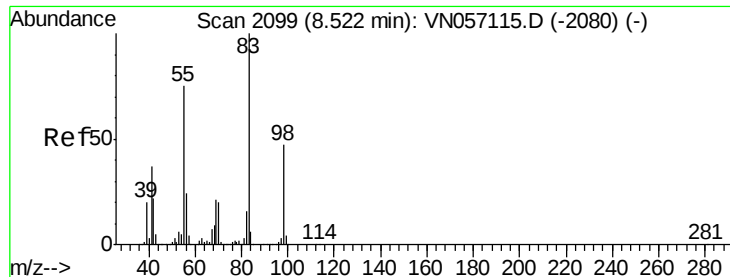
Tgt Ion: 43 Resp: 65810
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 10.7 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 4.938 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion: 117 Resp: 74422
 Ion Ratio Lower Upper
 117 100
 119 97.7 75.8 113.6
 121 32.3 24.4 36.6

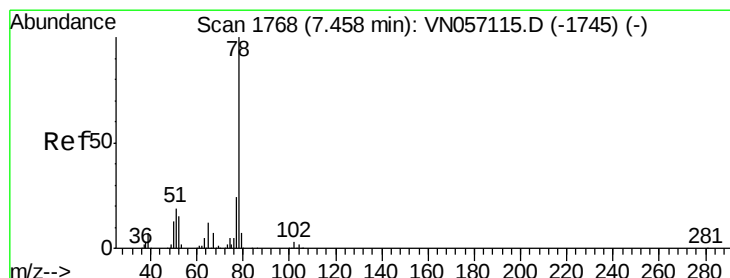
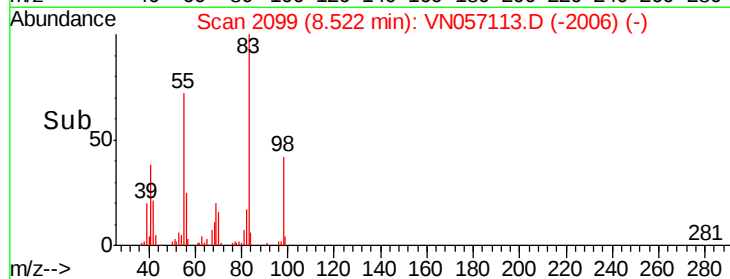
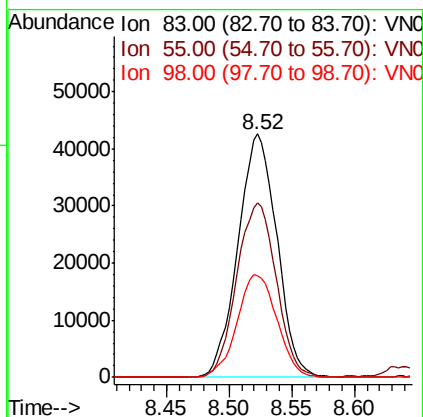
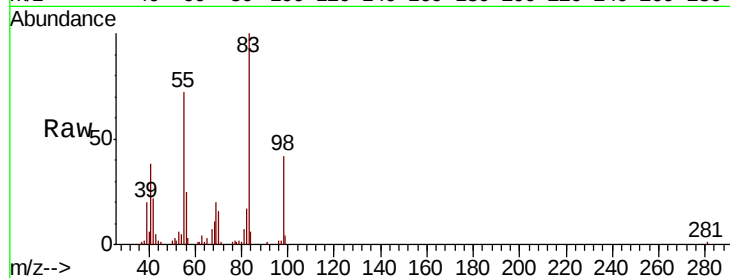




#39
Methylcyclohexane
Concen: 5.081 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

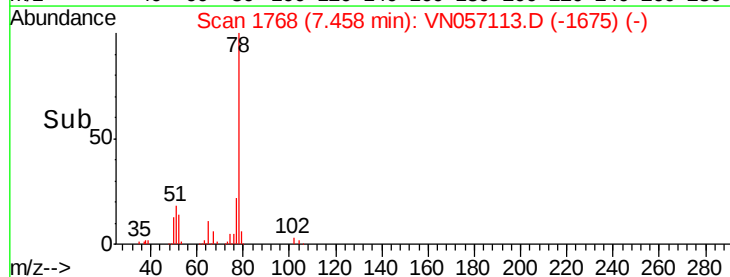
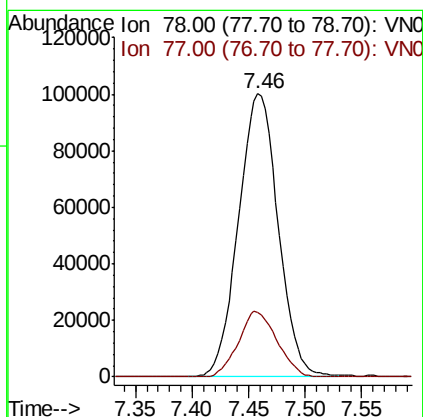
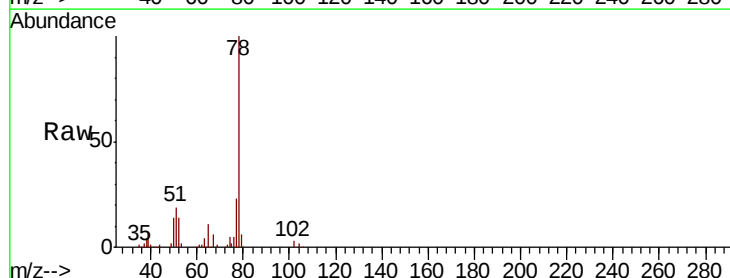
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

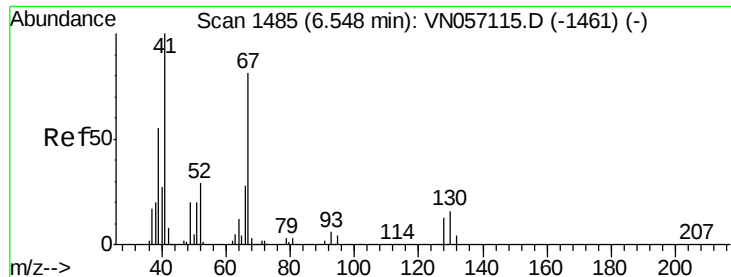
Tgt Ion: 83 Resp: 91997
Ion Ratio Lower Upper
83 100
55 71.5 60.3 90.5
98 41.9 37.9 56.9



#40
Benzene
Concen: 5.067 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 78 Resp: 244643
Ion Ratio Lower Upper
78 100
77 23.0 19.2 28.8

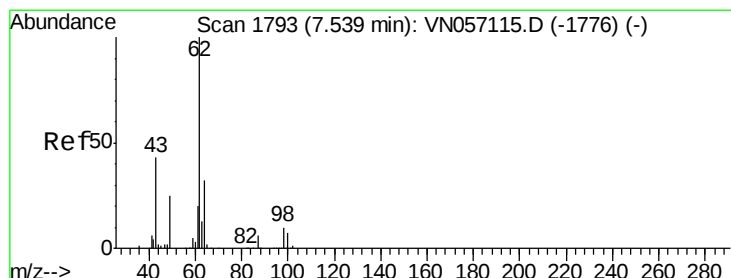
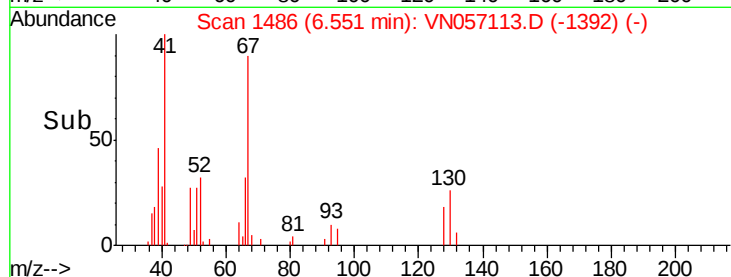
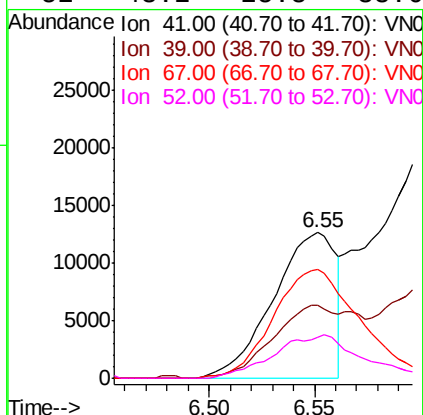
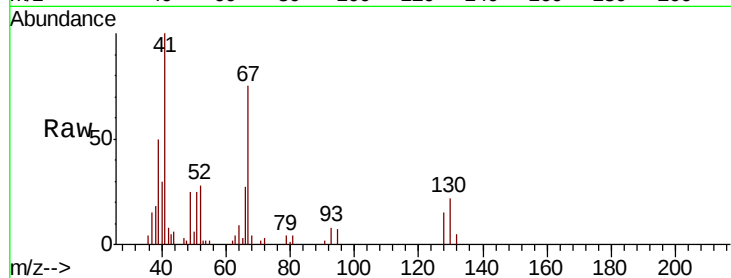




#41
Methacrylonitrile
Concen: 5.203 ug/l
RT: 6.55 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

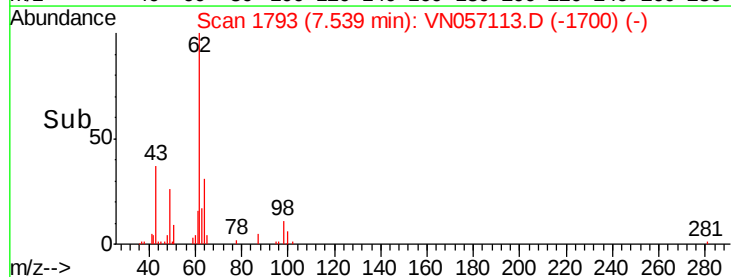
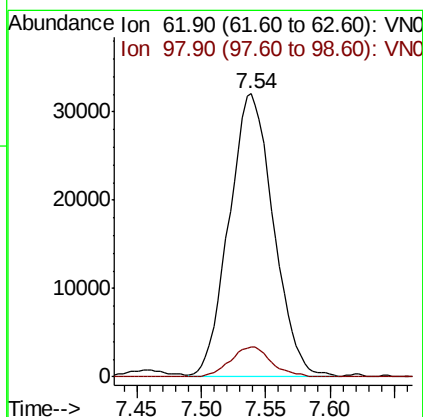
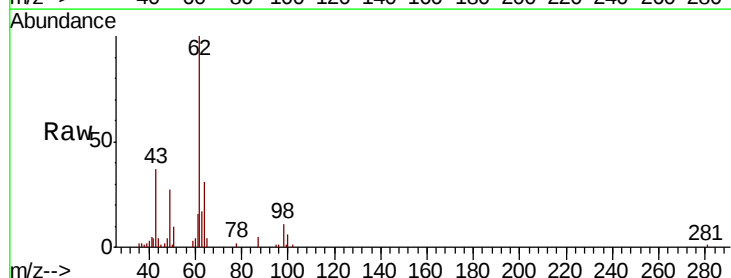
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

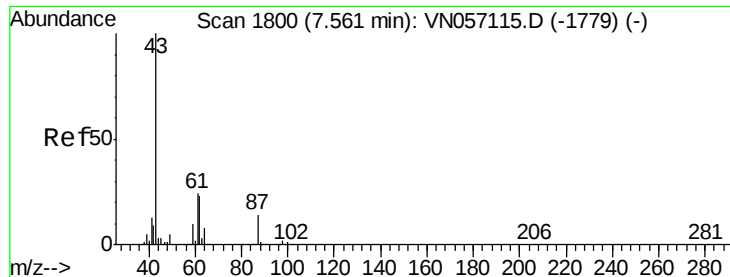
Tgt Ion:	41	Resp:	26106
Ion	Ratio	Lower	Upper
41	100		
39	50.3	44.9	67.3
67	104.7	69.1	103.7#
52	43.2	25.8	38.6#



#42
1,2-Dichloroethane
Concen: 5.087 ug/l
RT: 7.54 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion:	62	Resp:	76893
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 4.818 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

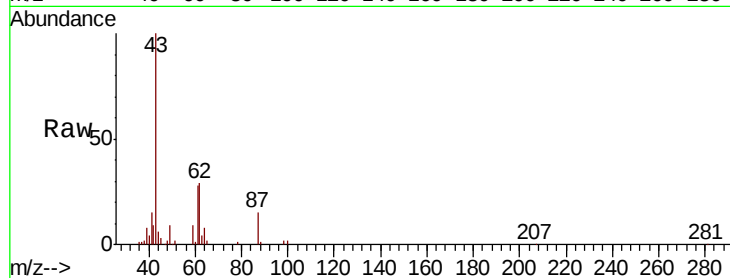
Tgt Ion: 43 Resp: 104800

Ion Ratio Lower Upper

43 100

61 30.2 24.2 36.2

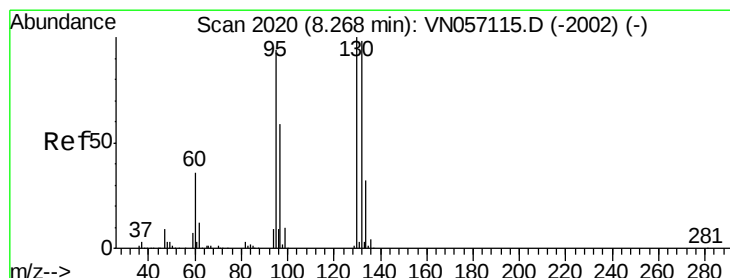
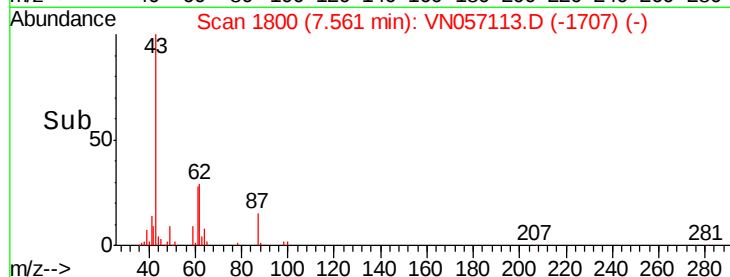
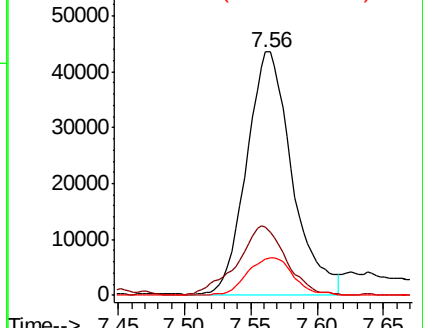
87 15.5 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN057113.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057113.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057113.D (-1779) (-)



#44

Trichloroethene

Concen: 5.032 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VN057113.D

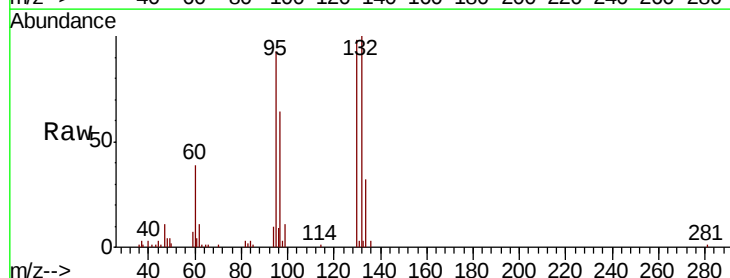
Acq: 7 Aug 2019 19:18

Tgt Ion: 130 Resp: 66385

Ion Ratio Lower Upper

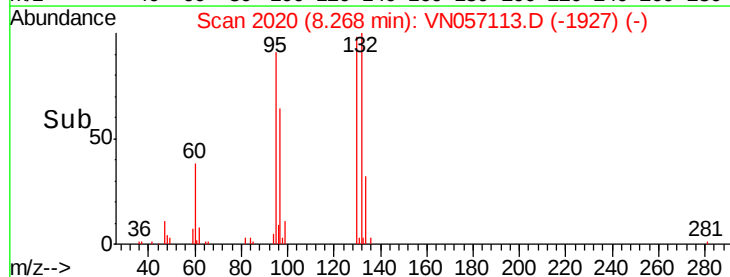
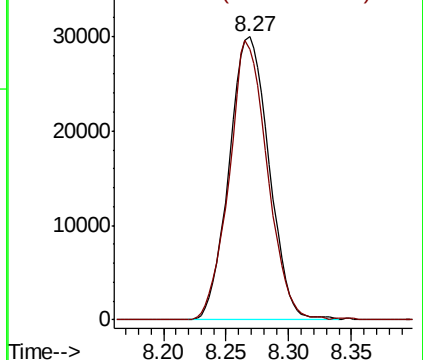
130 100

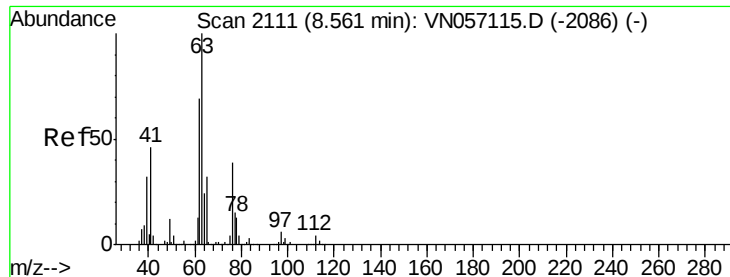
95 95.8 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): VN057113.D (-1927) (-)

Ion 94.90 (94.60 to 95.60): VN057113.D (-1927) (-)

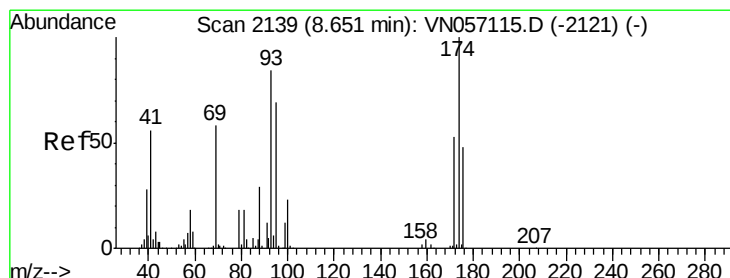
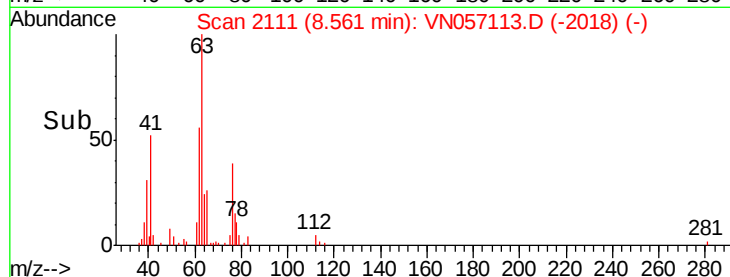
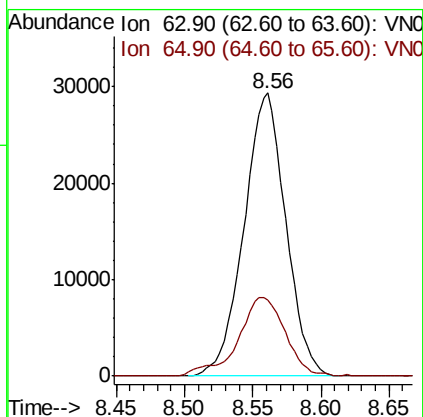
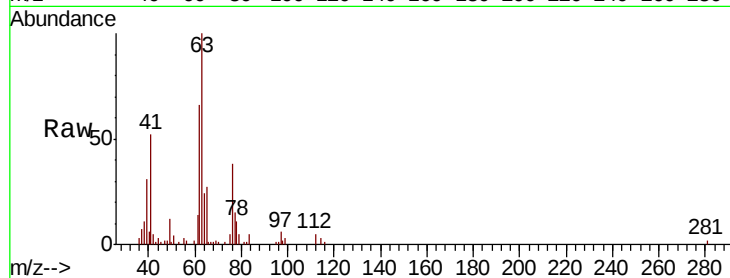




#45
 1,2-Dichloropropane
 Concen: 5.003 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

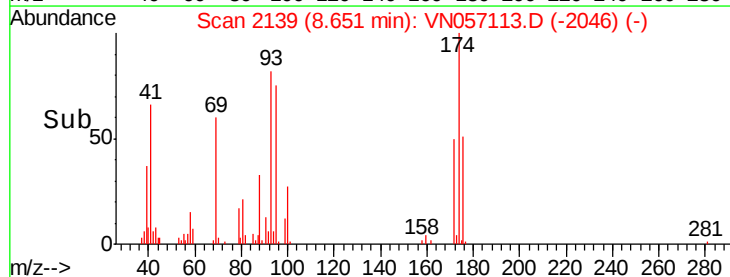
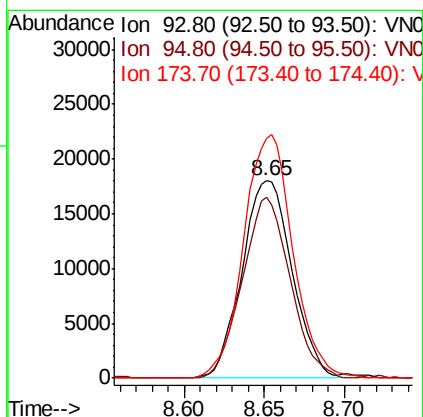
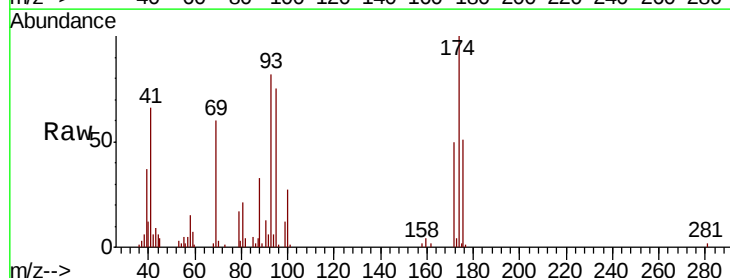
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

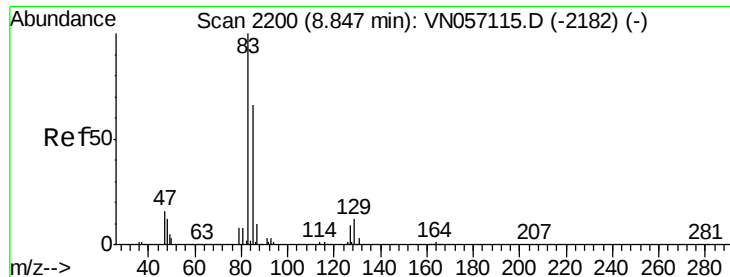
Tgt Ion: 63 Resp: 62464
 Ion Ratio Lower Upper
 63 100
 65 27.1 25.2 37.8



#46
 Dibromomethane
 Concen: 4.969 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion: 93 Resp: 38636
 Ion Ratio Lower Upper
 93 100
 95 87.2 66.0 99.0
 174 121.5 96.0 144.0





#47

Bromodichloromethane

Concen: 4.878 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

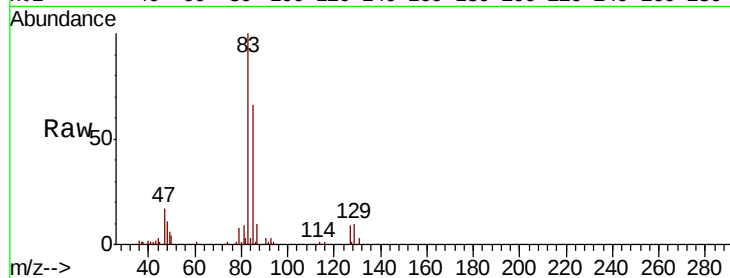
Tgt Ion: 83 Resp: 72765

Ion Ratio Lower Upper

83 100

85 66.1 52.6 78.8

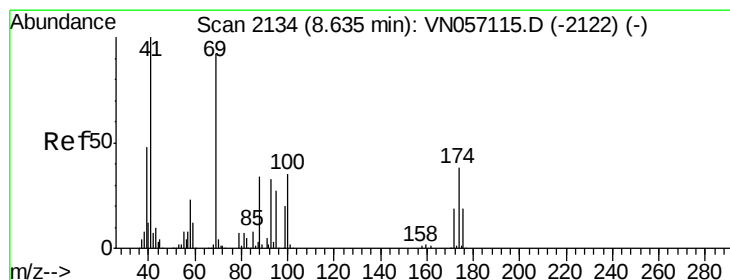
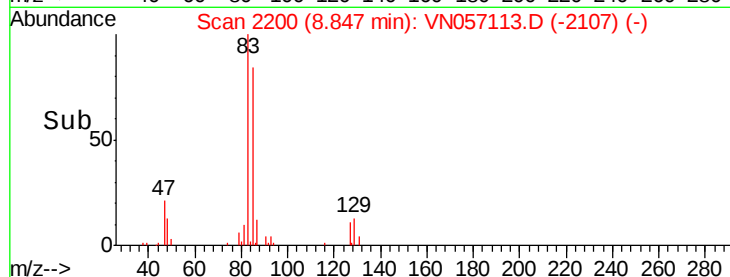
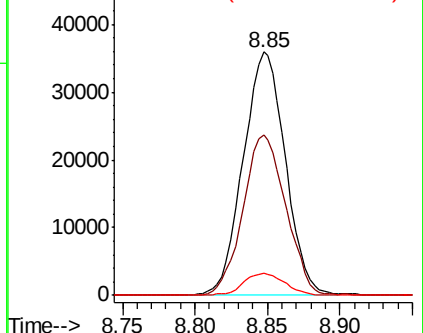
127 8.9 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN057113.D (-2182) (-)

Ion 84.90 (84.60 to 85.60): VN057113.D (-2182) (-)

Ion 126.80 (126.50 to 127.50): VN057113.D (-2182) (-)



#48

Methyl methacrylate

Concen: 5.082 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

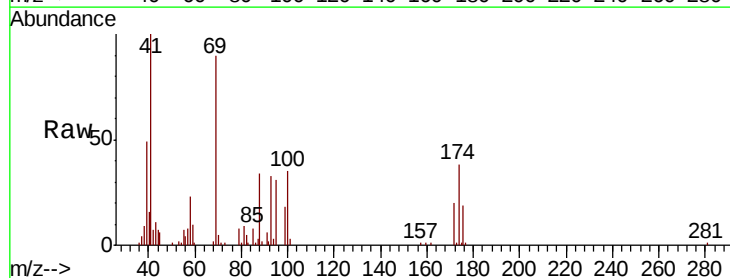
Tgt Ion: 41 Resp: 48640

Ion Ratio Lower Upper

41 100

69 92.1 77.5 116.3

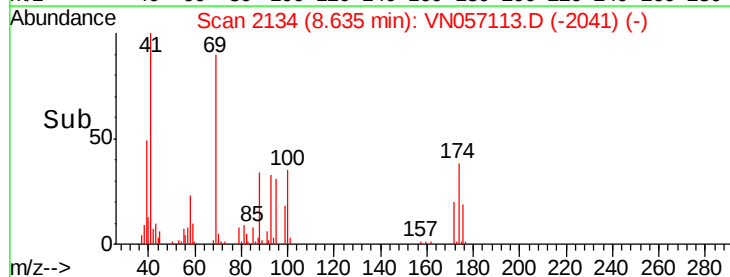
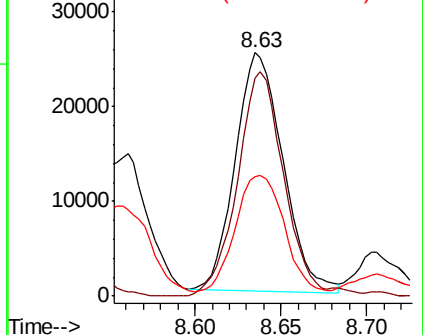
39 49.8 39.8 59.6

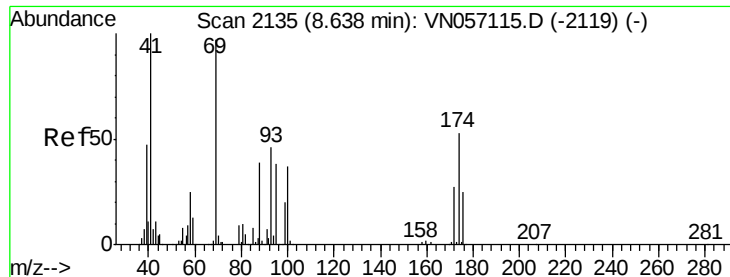


Abundance Ion 41.00 (40.70 to 41.70): VN057113.D (-2134) (-)

Ion 69.00 (68.70 to 69.70): VN057113.D (-2134) (-)

Ion 39.00 (38.70 to 39.70): VN057113.D (-2134) (-)

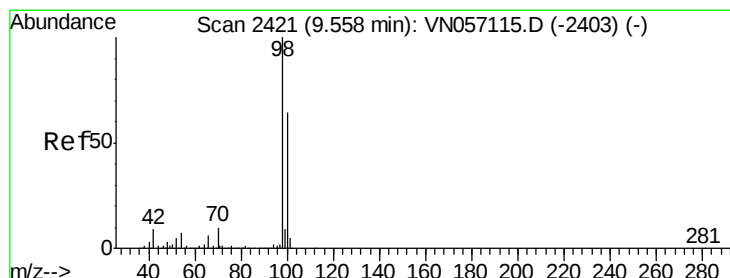
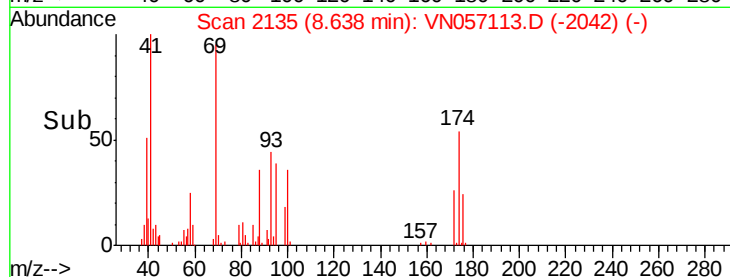
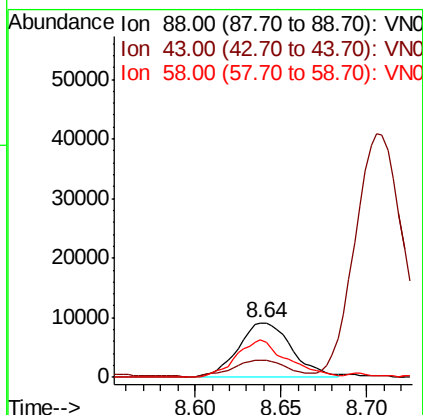
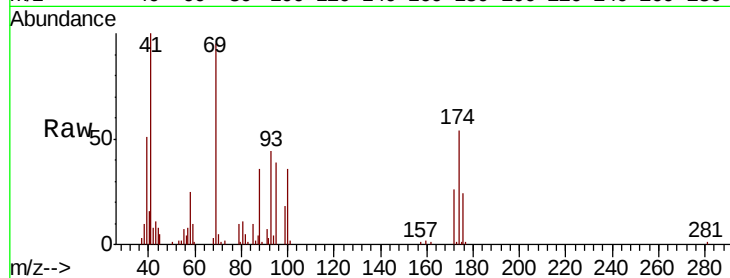




#49
1,4-Dioxane
Concen: 101.440 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

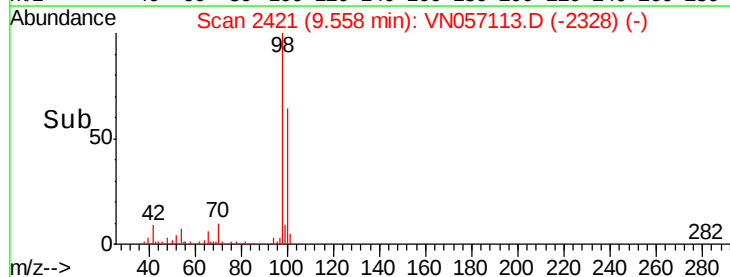
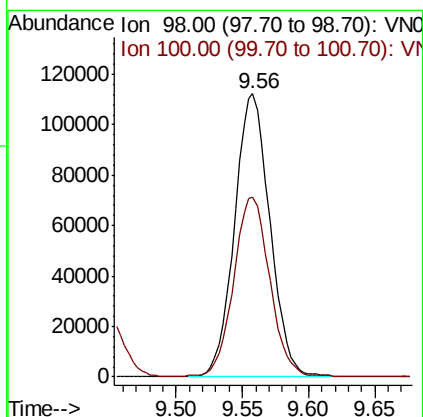
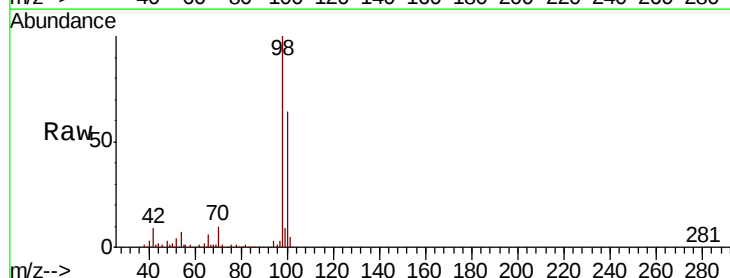
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

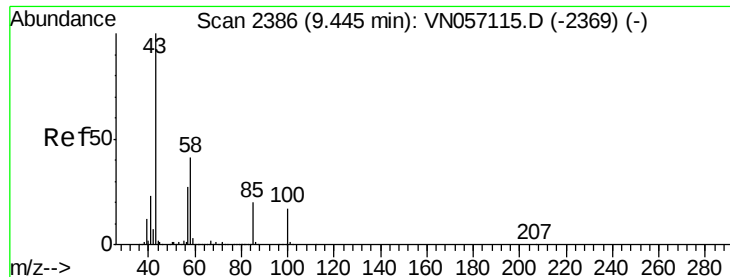
Tgt Ion: 88 Resp: 19727
Ion Ratio Lower Upper
88 100
43 32.7 21.7 32.5#
58 65.6 51.1 76.7



#50
Toluene-d8
Concen: 4.873 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 98 Resp: 208389
Ion Ratio Lower Upper
98 100
100 65.2 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 27.204 ug/l

RT: 9.45 min Scan# 2386

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

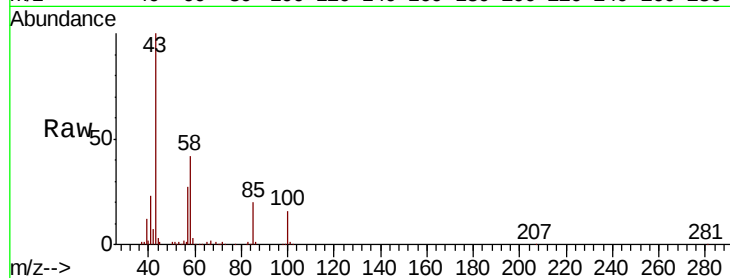
VSTDIC005

Tgt Ion: 43 Resp: 295526

Ion Ratio Lower Upper

43 100

58 42.0 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

150000

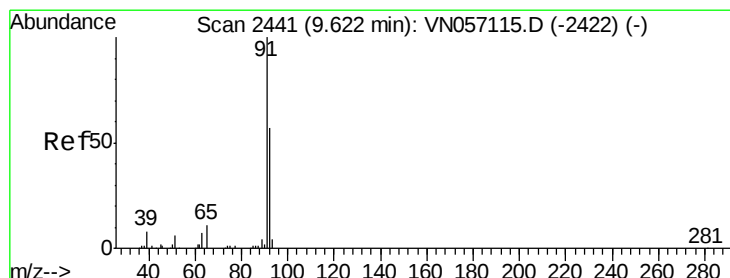
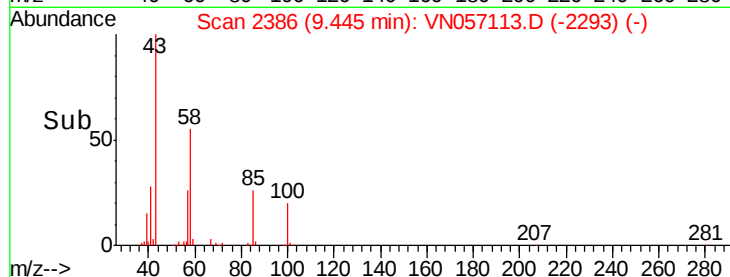
100000

50000

0

9.35 9.40 9.45 9.50 9.55

Time-->



#52

Toluene

Concen: 4.932 ug/l

RT: 9.63 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VN057113.D

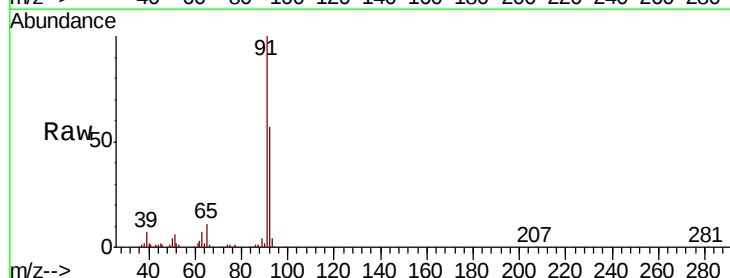
Acq: 7 Aug 2019 19:18

Tgt Ion: 92 Resp: 144589

Ion Ratio Lower Upper

92 100

91 176.8 139.8 209.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

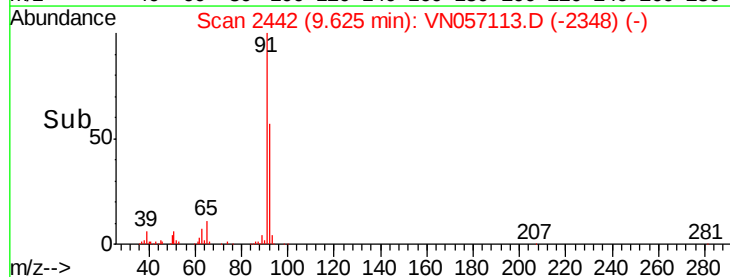
100000

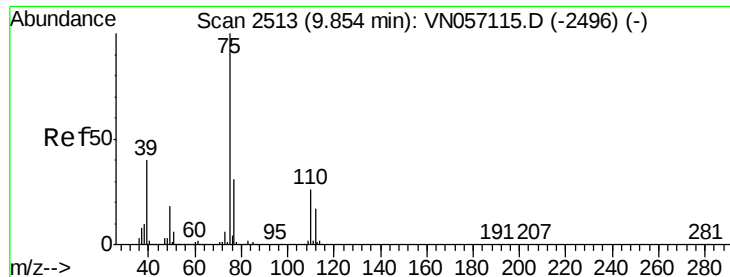
50000

0

9.55 9.60 9.65 9.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.579 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

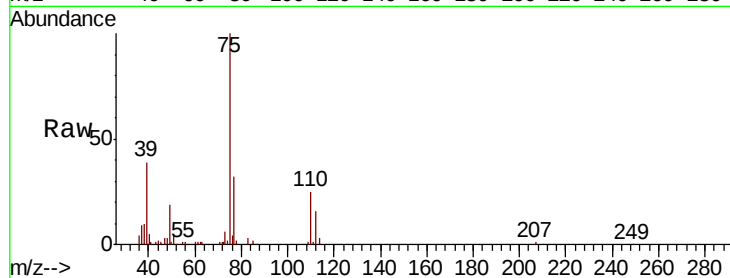
VSTDIC005

Tgt Ion: 75 Resp: 71650

Ion Ratio Lower Upper

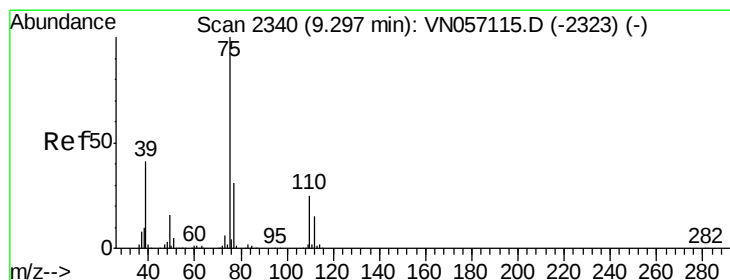
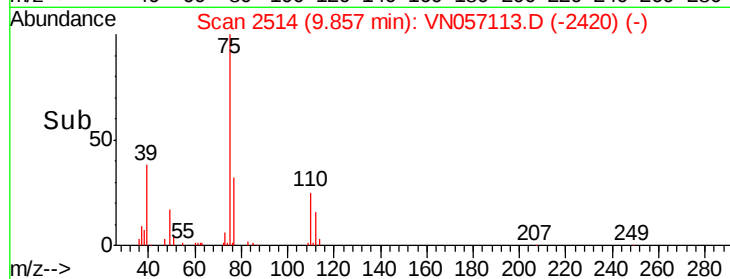
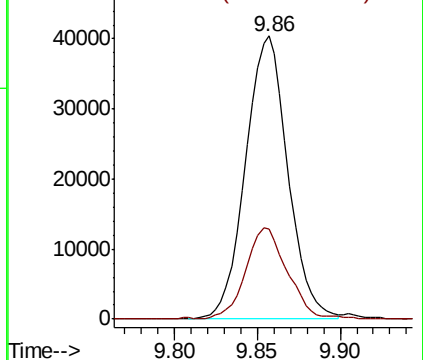
75 100

77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.674 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

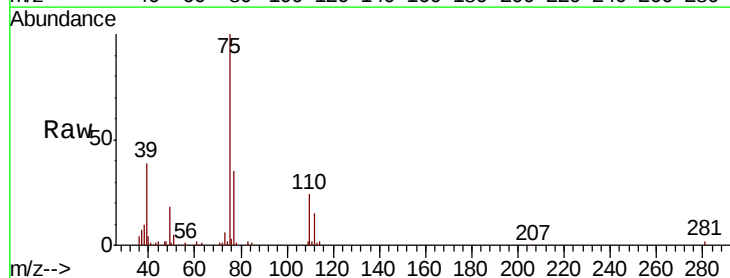
Tgt Ion: 75 Resp: 85745

Ion Ratio Lower Upper

75 100

77 35.2 25.1 37.7

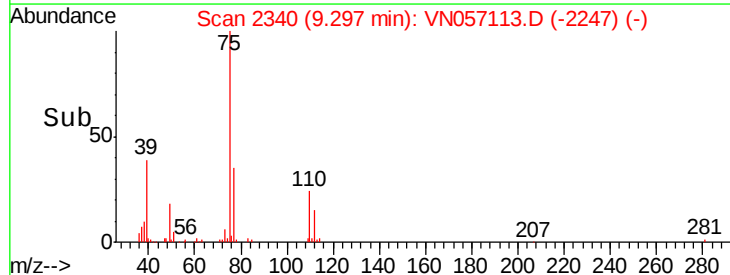
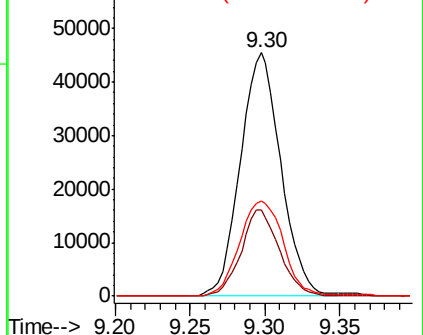
39 38.8 32.5 48.7

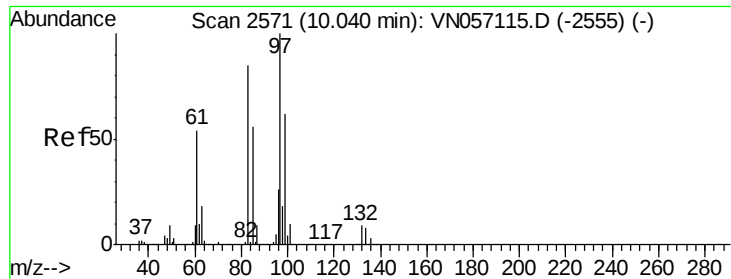


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

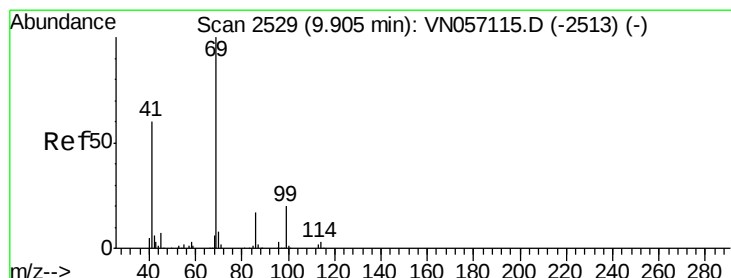
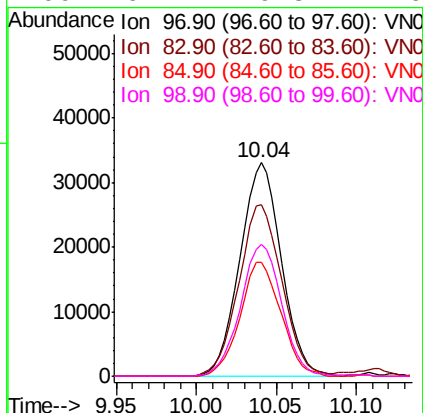
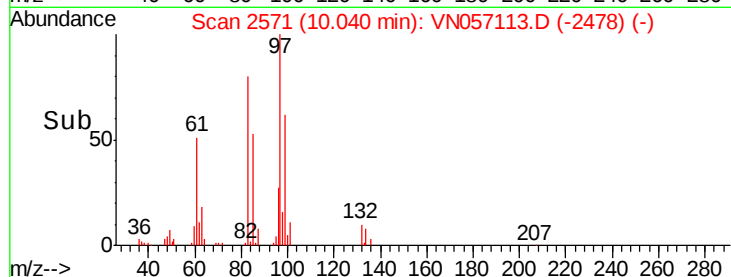
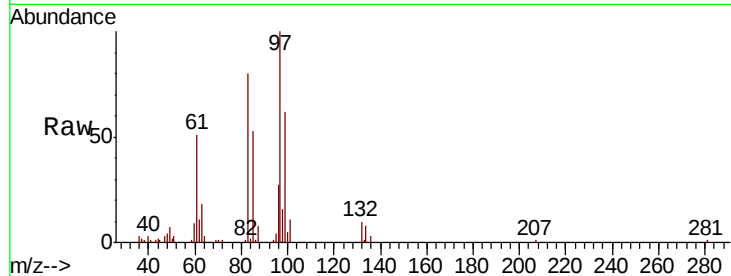




#55
 1,1,2-Trichloroethane
 Concen: 5.218 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

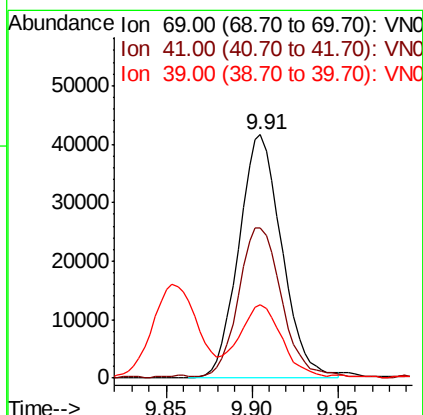
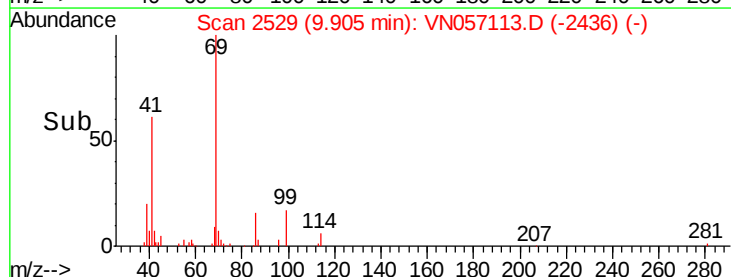
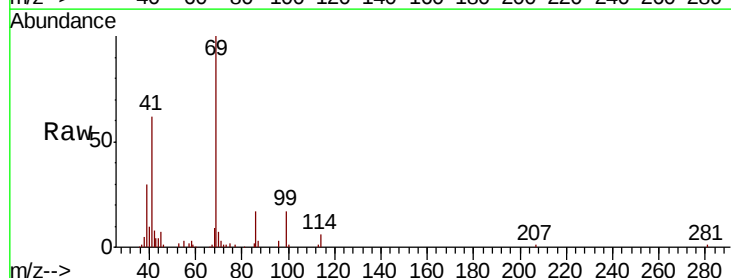
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

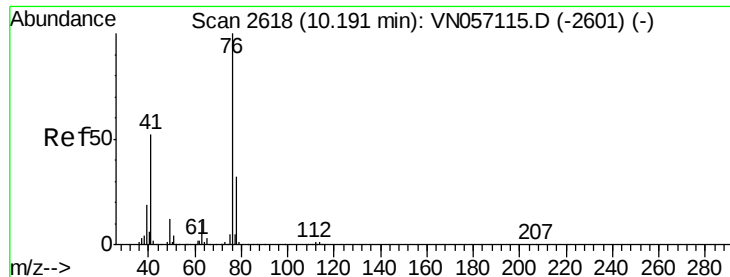
Tgt Ion: 97 Resp: 58375
 Ion Ratio Lower Upper
 97 100
 83 80.4 67.8 101.8
 85 53.2 44.4 66.6
 99 61.7 49.8 74.6



#56
 Ethyl methacrylate
 Concen: 4.713 ug/l
 RT: 9.91 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion: 69 Resp: 72244
 Ion Ratio Lower Upper
 69 100
 41 63.1 48.1 72.1
 39 28.3 23.6 35.4

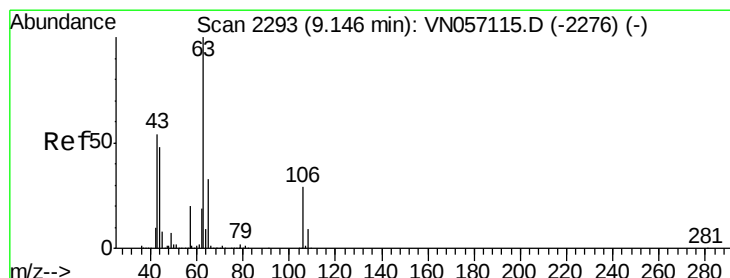
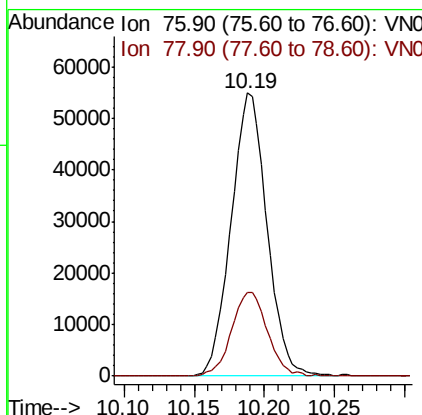
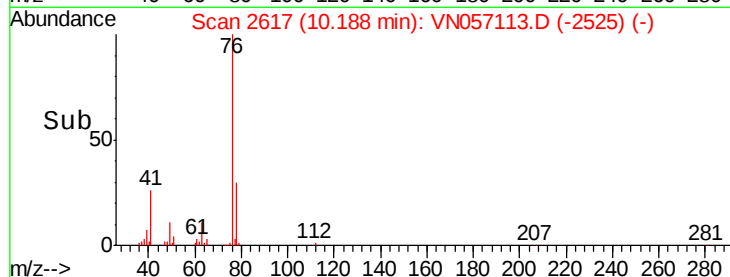
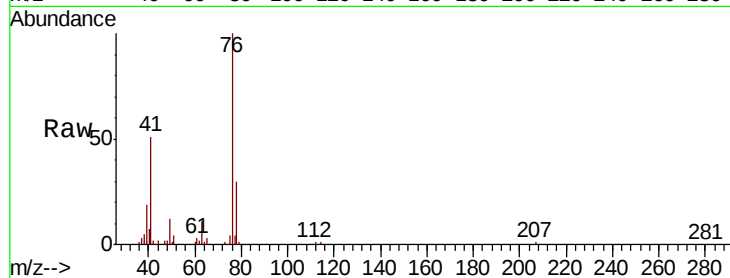




#57
 1,3-Dichloropropane
 Concen: 5.266 ug/l
 RT: 10.19 min Scan# 2617
 Delta R.T. -0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

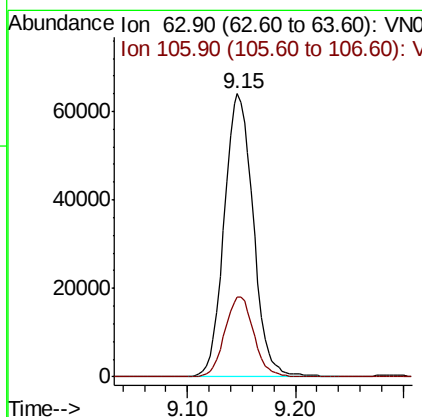
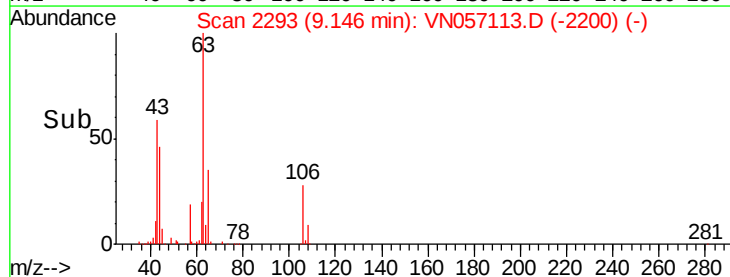
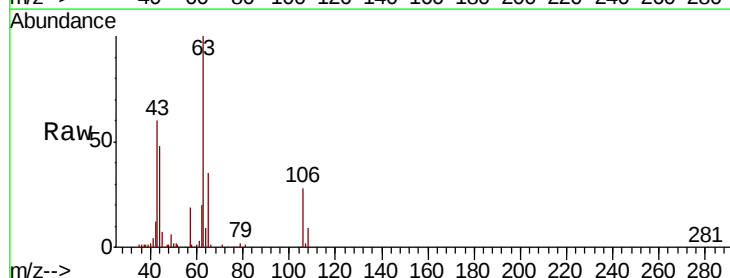
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

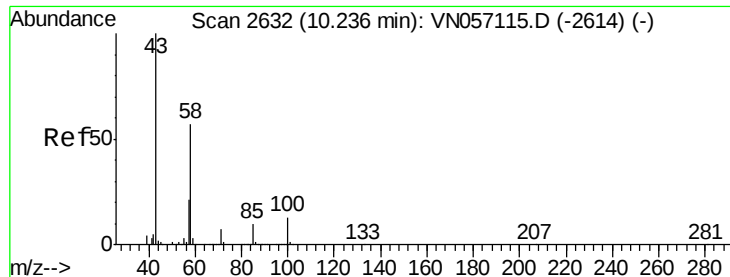
Tgt Ion: 76 Resp: 97802
 Ion Ratio Lower Upper
 76 100
 78 29.9 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.661 ug/l
 RT: 9.15 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion: 63 Resp: 119781
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.6 33.8

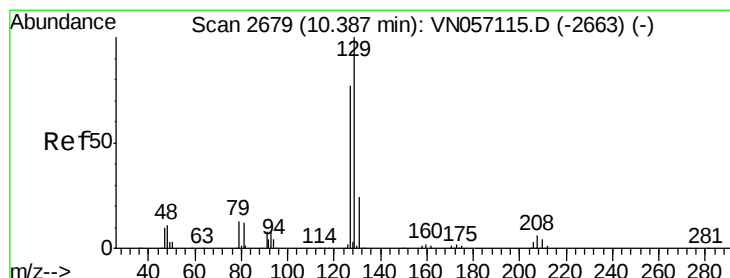
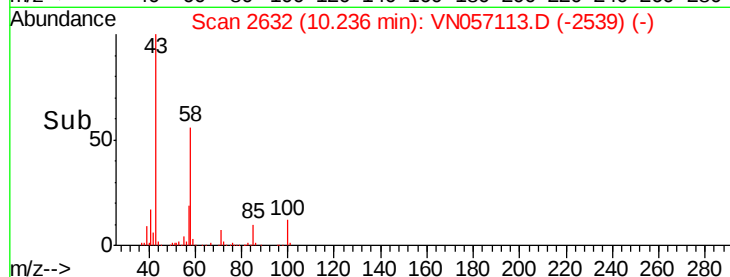
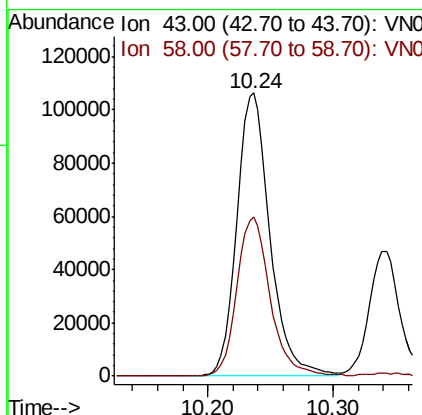
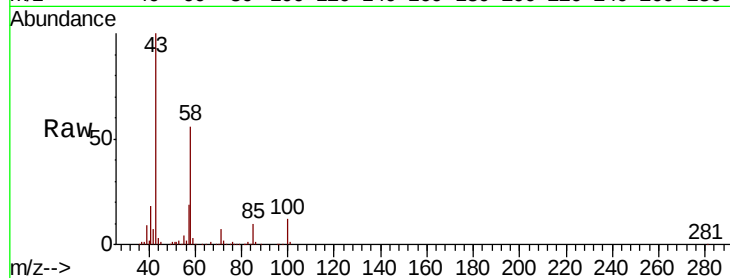




#59
2-Hexanone
Concen: 25.050 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

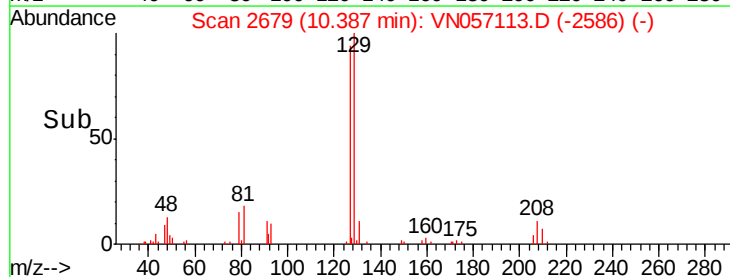
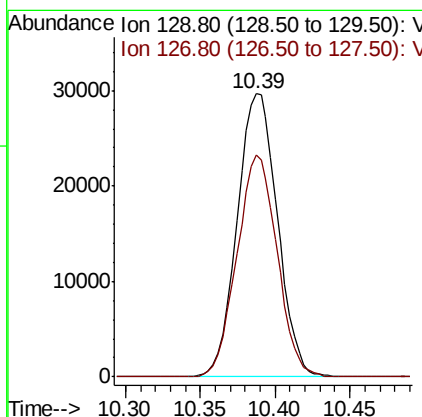
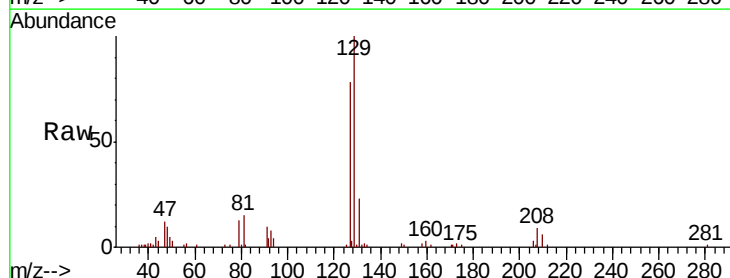
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

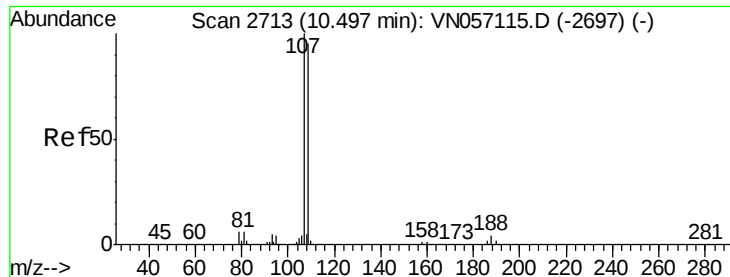
Tgt Ion: 43 Resp: 195231
Ion Ratio Lower Upper
43 100
58 56.7 29.2 87.6



#60
Dibromochloromethane
Concen: 4.771 ug/l
RT: 10.39 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 129 Resp: 55538
Ion Ratio Lower Upper
129 100
127 78.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 4.888 ug/l

RT: 10.49 min Scan# 2712

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

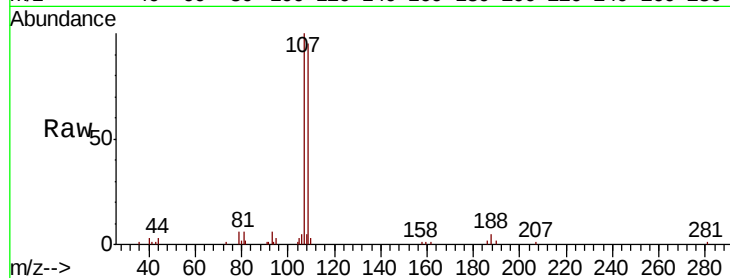
VSTDIC005

Tgt Ion: 107 Resp: 55850

Ion Ratio Lower Upper

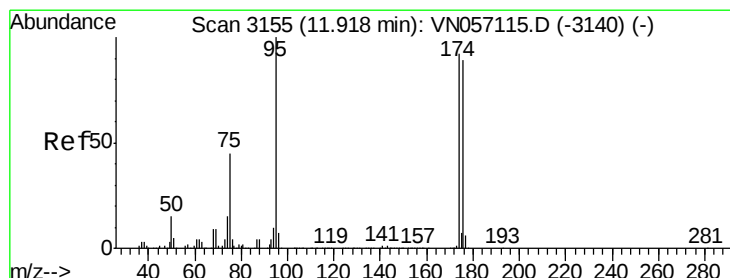
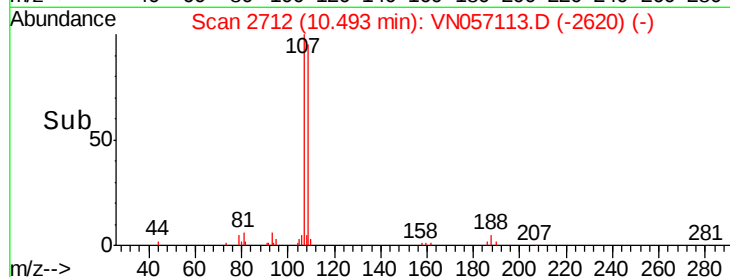
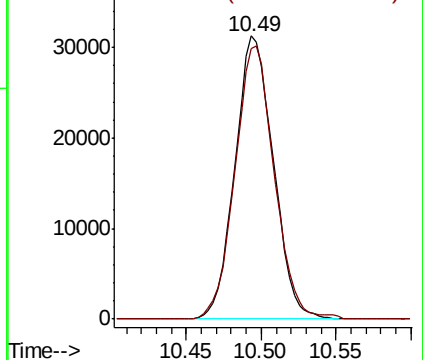
107 100

109 98.7 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.075 ug/l

RT: 11.92 min Scan# 3155

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

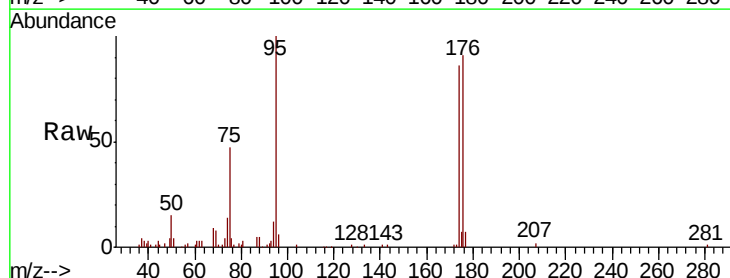
Tgt Ion: 95 Resp: 56053

Ion Ratio Lower Upper

95 100

174 91.8 0.0 185.0

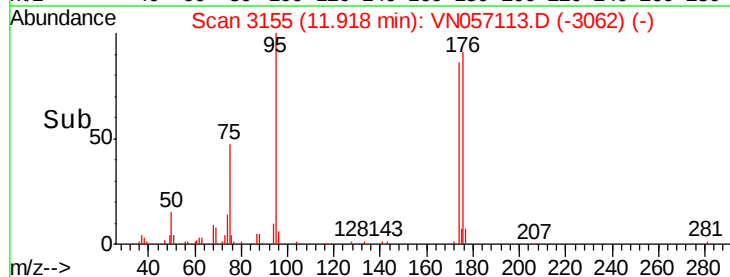
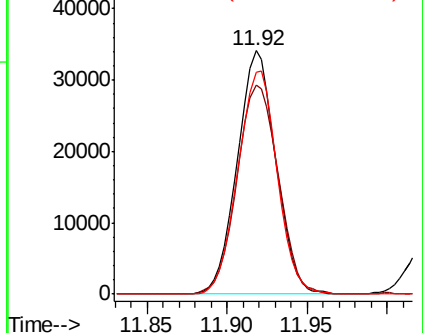
176 93.0 0.0 181.2

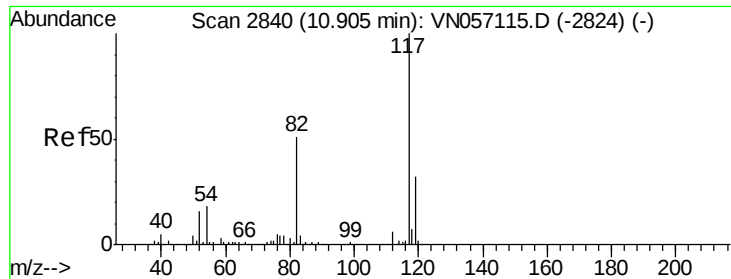


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

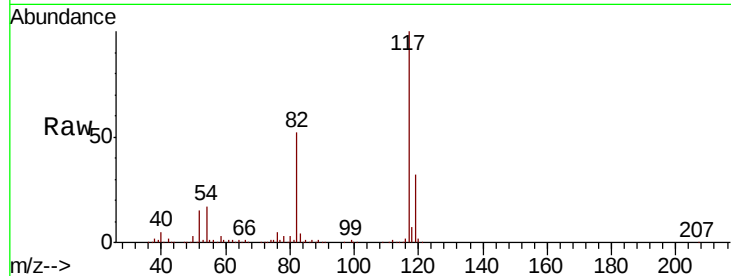




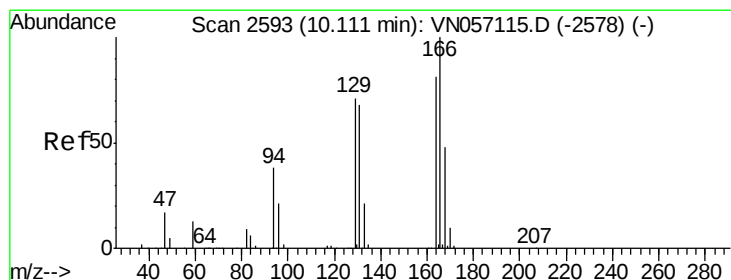
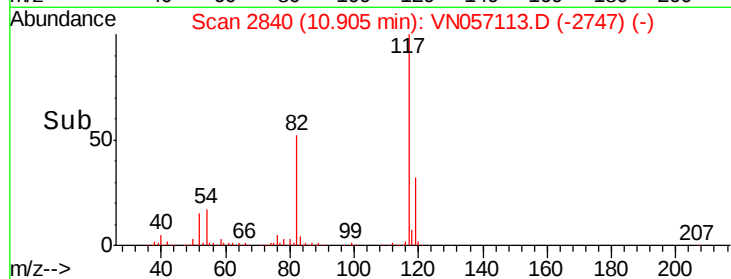
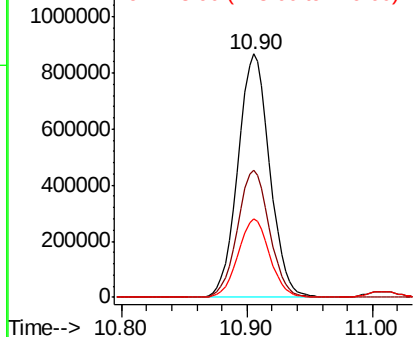
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1523155
Ion Ratio Lower Upper
117 100
82 52.1 40.8 61.2
119 32.3 25.7 38.5

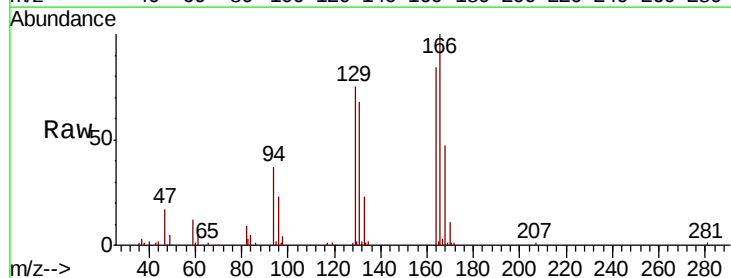


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

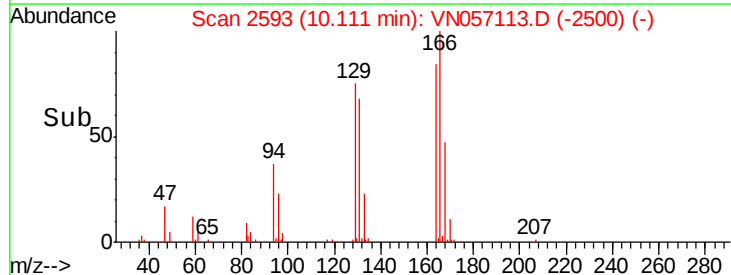
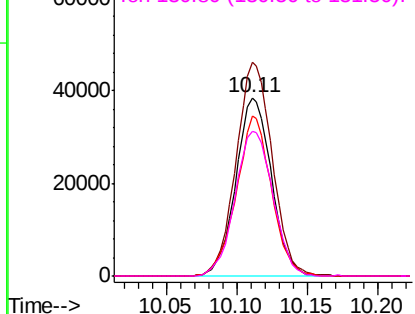


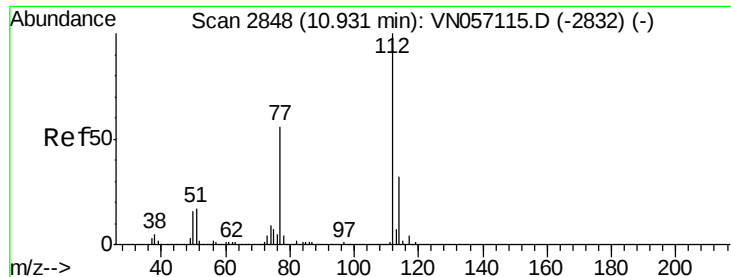
#64
Tetrachloroethene
Concen: 5.308 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion:164 Resp: 68013
Ion Ratio Lower Upper
164 100
166 119.6 98.3 147.5
129 89.4 69.8 104.6
131 81.0 66.8 100.2



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





#65

Chlorobenzene

Concen: 4.923 ug/l

RT: 10.93 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

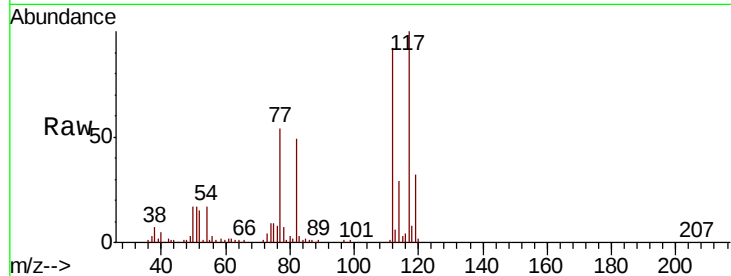
VSTDIC005

Tgt Ion:112 Resp: 151388

Ion Ratio Lower Upper

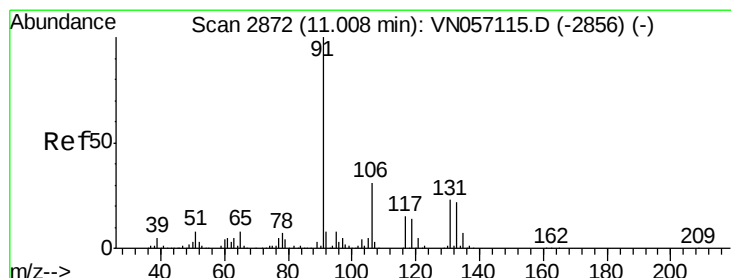
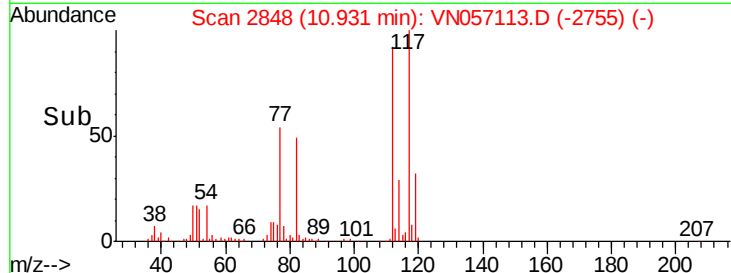
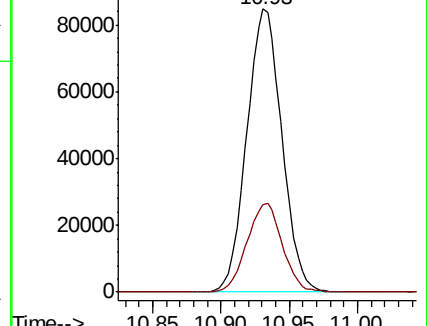
112 100

114 30.9 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.090 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

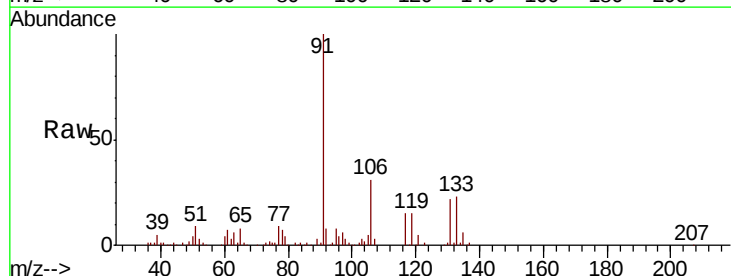
Tgt Ion:131 Resp: 57669

Ion Ratio Lower Upper

131 100

133 100.1 47.6 142.8

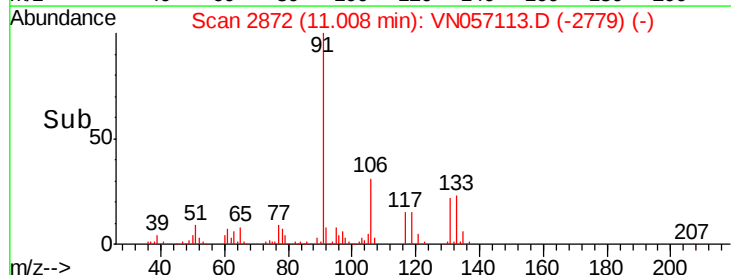
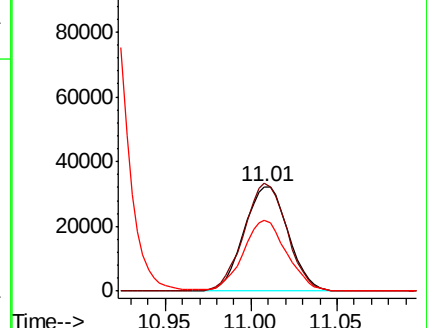
119 67.0 32.6 97.7

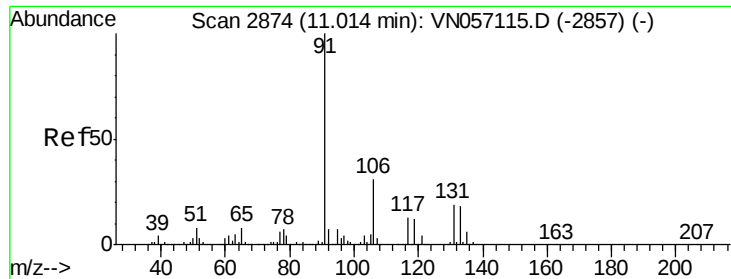


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

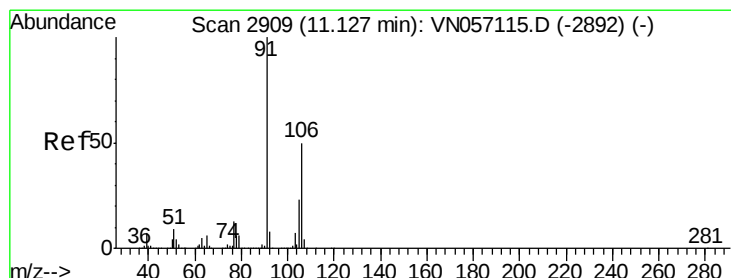
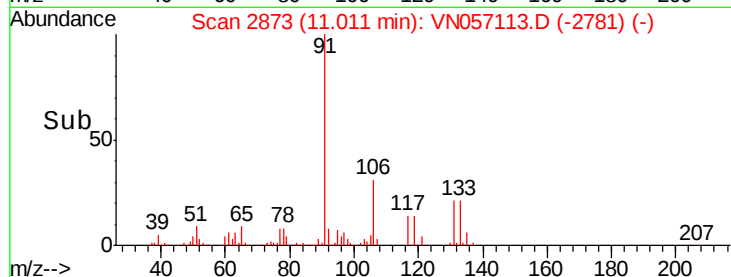
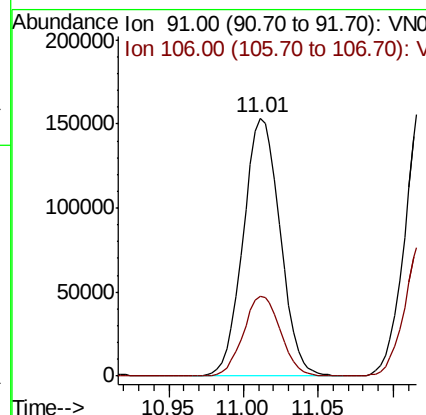
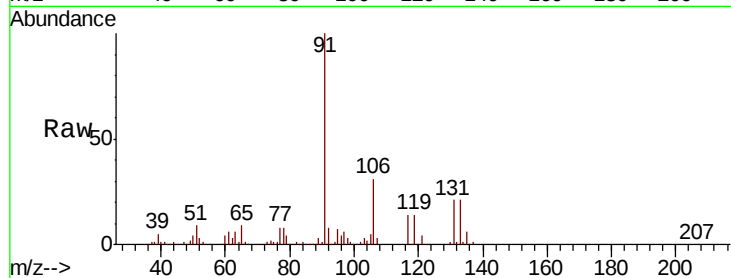




#67
Ethyl Benzene
Concen: 4.986 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

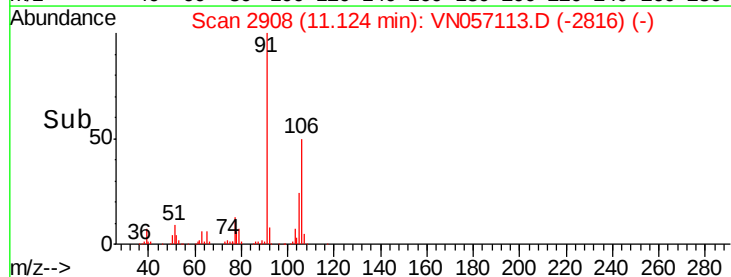
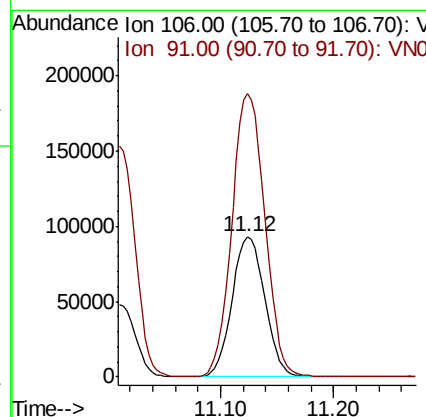
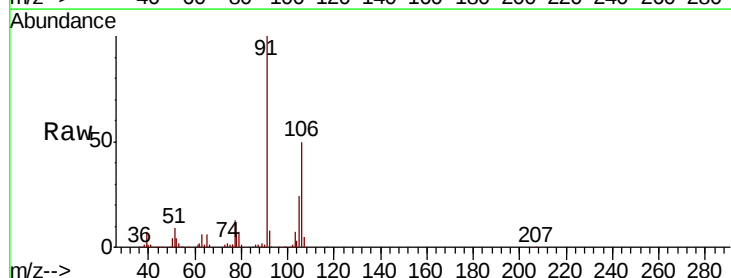
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

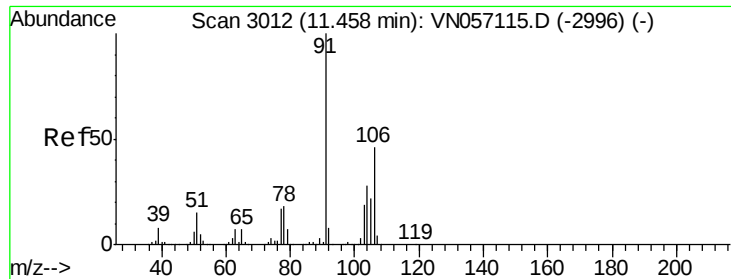
Tgt Ion: 91 Resp: 263935
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 9.441 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 106 Resp: 188225
Ion Ratio Lower Upper
106 100
91 202.3 159.8 239.8

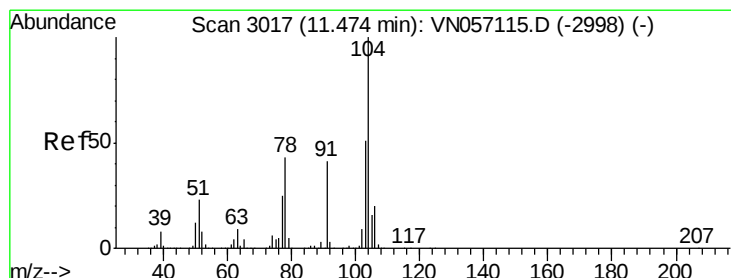
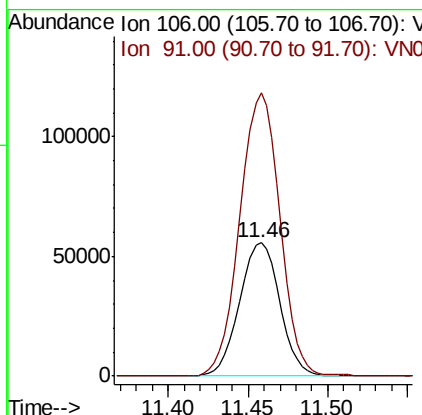
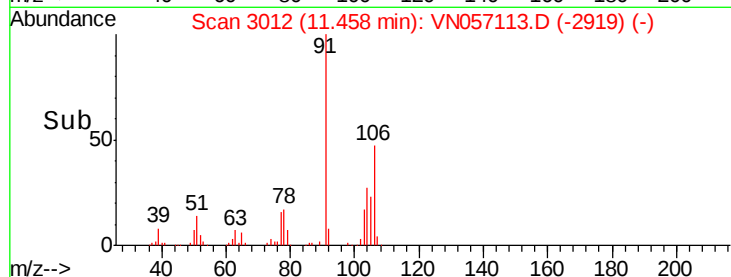
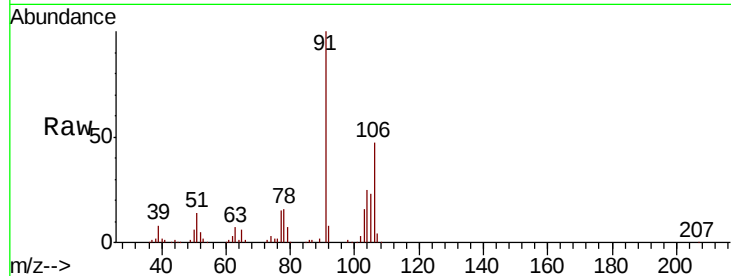




#69
o-Xylene
Concen: 4.870 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

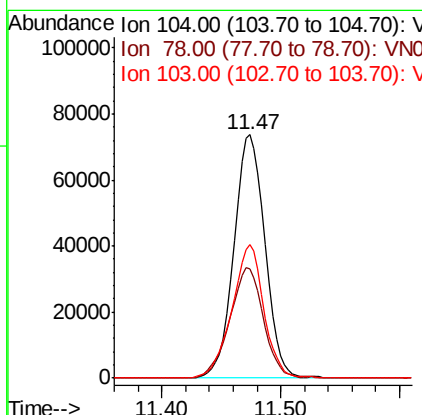
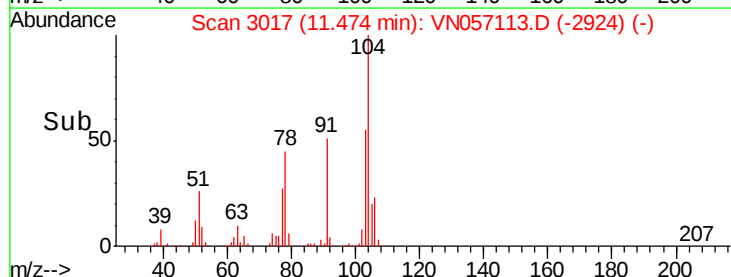
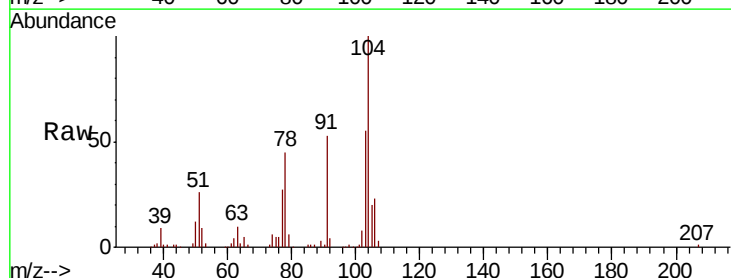
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

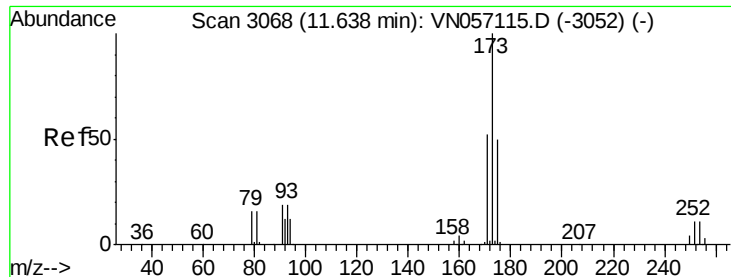
Tgt Ion:106 Resp: 95385
Ion Ratio Lower Upper
106 100
91 211.8 106.8 320.5



#70
Styrene
Concen: 4.264 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion:104 Resp: 133185
Ion Ratio Lower Upper
104 100
78 48.8 38.5 57.7
103 56.5 44.6 66.8





#71

Bromoform

Concen: 4.649 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

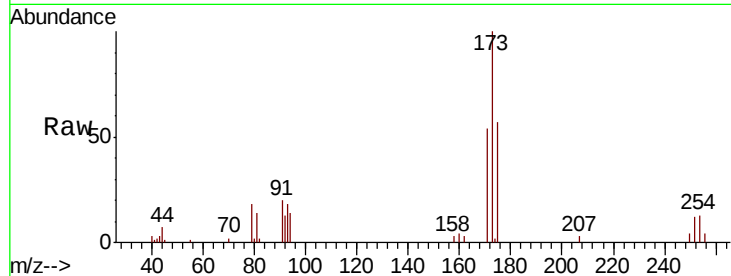
Tgt Ion:173 Resp: 37205

Ion Ratio Lower Upper

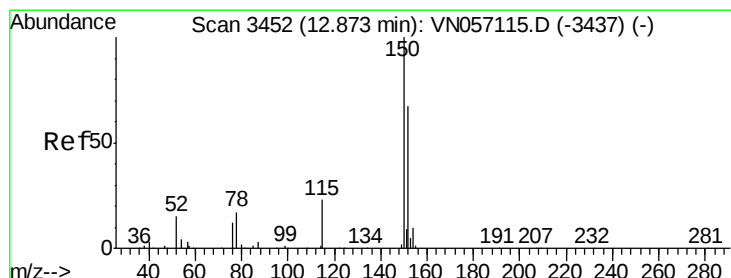
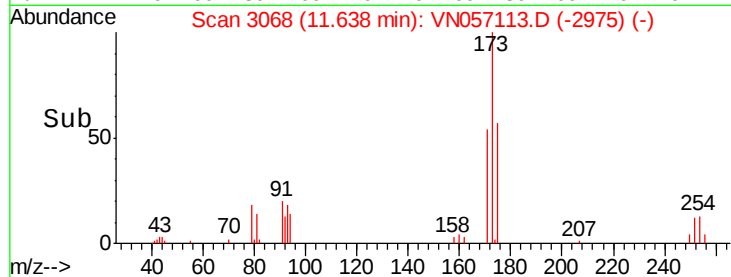
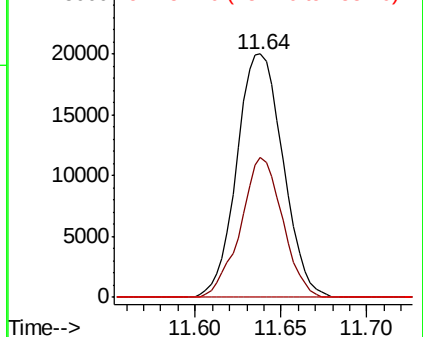
173 100

175 52.0 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

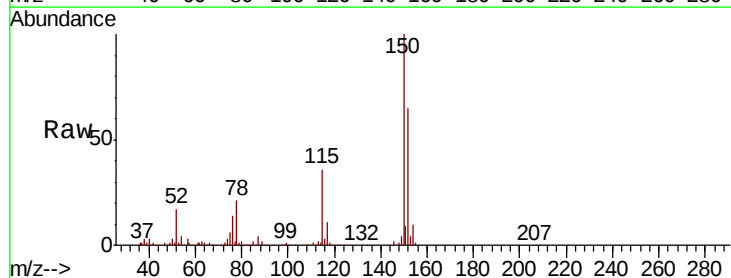
Tgt Ion:152 Resp: 418065

Ion Ratio Lower Upper

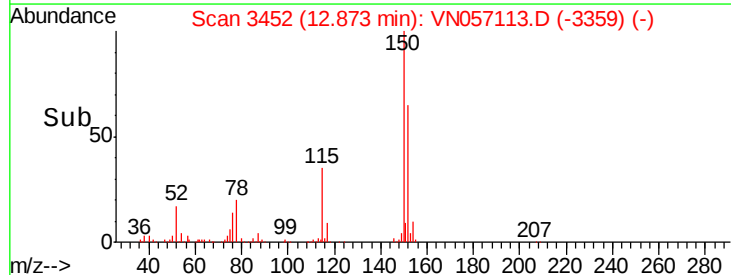
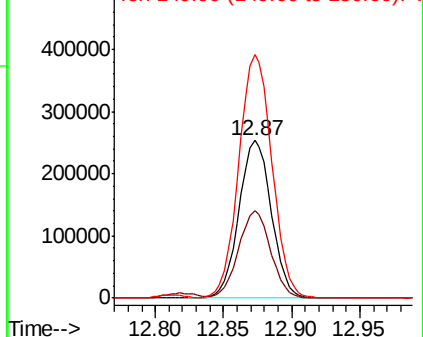
152 100

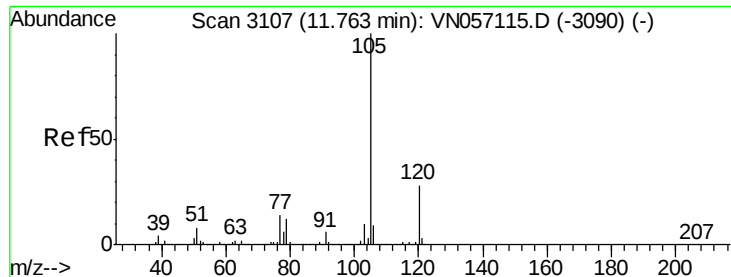
115 54.8 27.5 82.5

150 157.4 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: 7.135 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

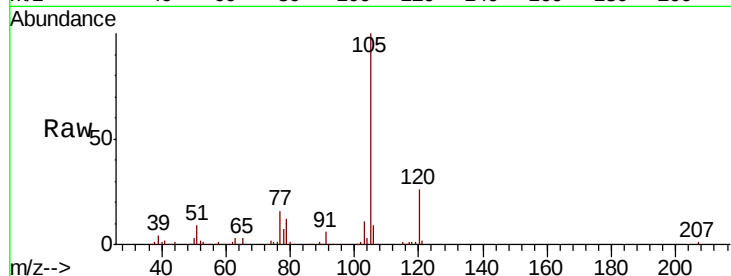
VSTDIC005

Tgt Ion: 105 Resp: 242326

Ion Ratio Lower Upper

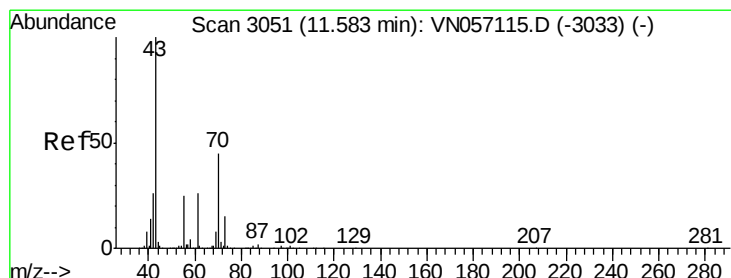
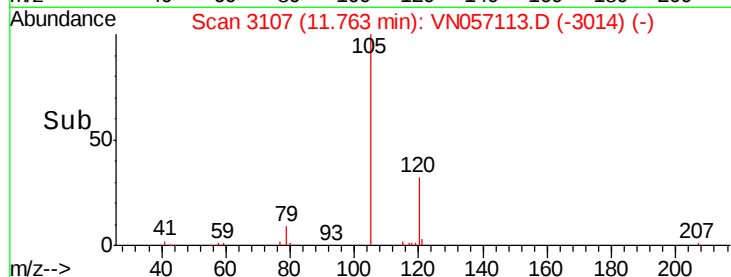
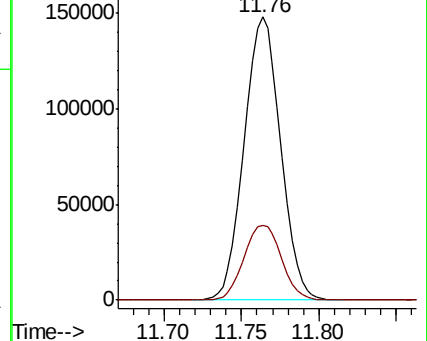
105 100

120 27.1 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.242 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion: 43 Resp: 62217

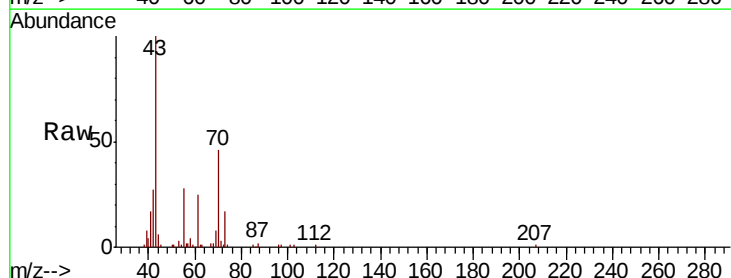
Ion Ratio Lower Upper

43 100

70 47.2 36.8 55.2

55 28.2 20.6 31.0

61 24.7 21.0 31.4

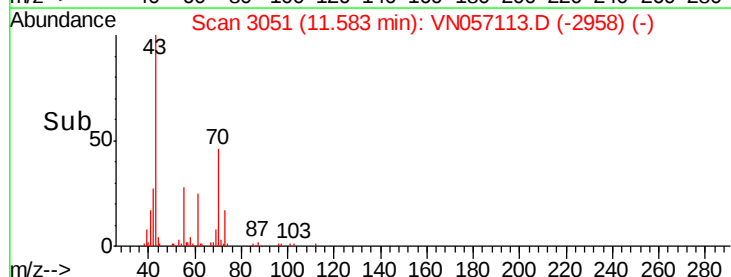
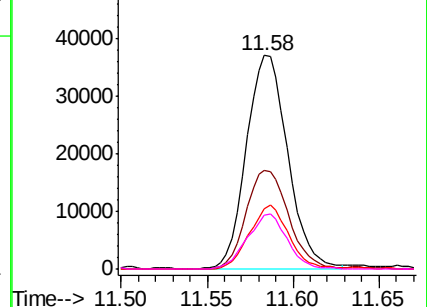


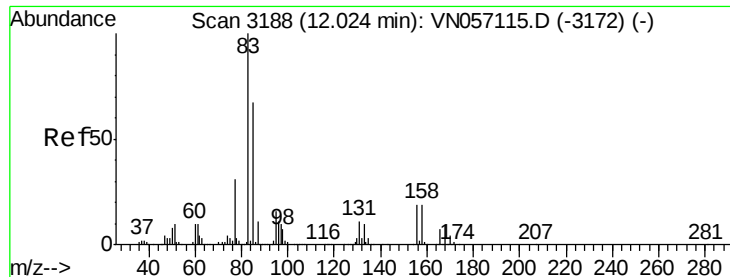
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 7.563 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

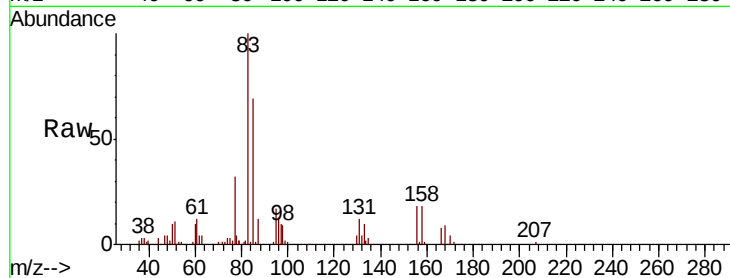
Tgt Ion: 83 Resp: 72255

Ion Ratio Lower Upper

83 100

131 11.0 5.5 16.4

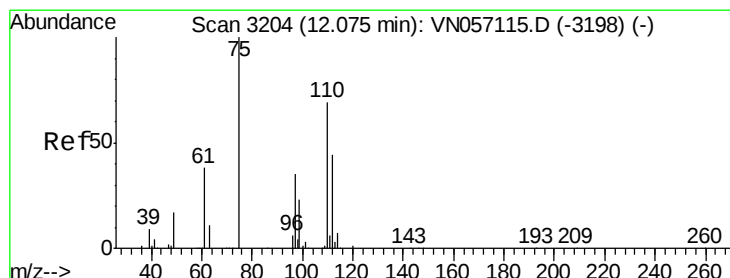
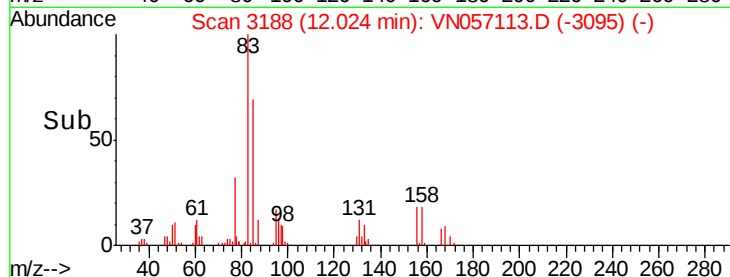
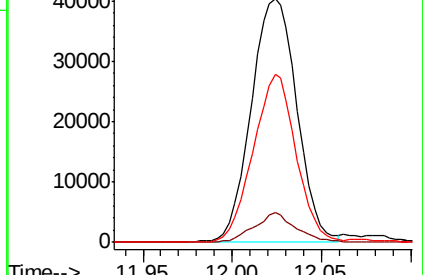
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN057113.D (-3172) (-)

Ion 130.80 (130.50 to 131.50): VN057113.D (-3172) (-)

Ion 84.90 (84.60 to 85.60): VN057113.D (-3172) (-)



#76

1,2,3-Trichloropropane

Concen: 10.567 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN057113.D

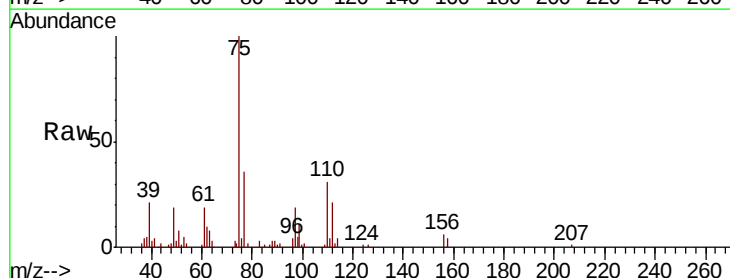
Acq: 7 Aug 2019 19:18

Tgt Ion: 75 Resp: 83400

Ion Ratio Lower Upper

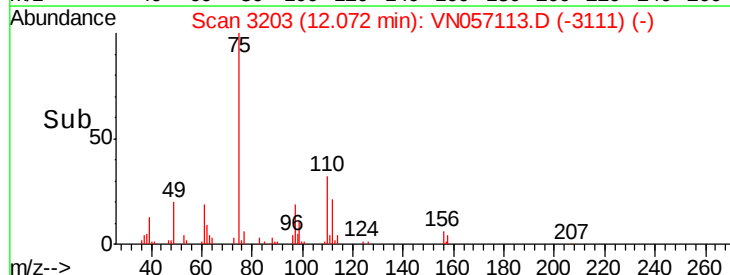
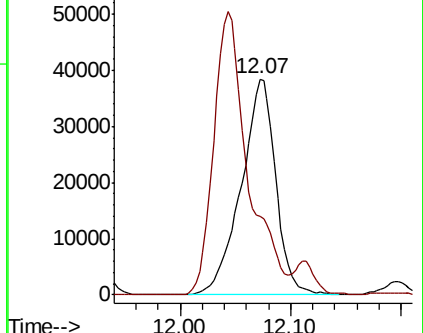
75 100

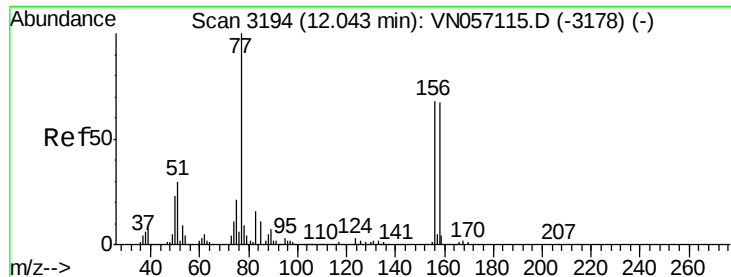
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057113.D (-3198) (-)

Ion 77.00 (76.70 to 77.70): VN057113.D (-3198) (-)

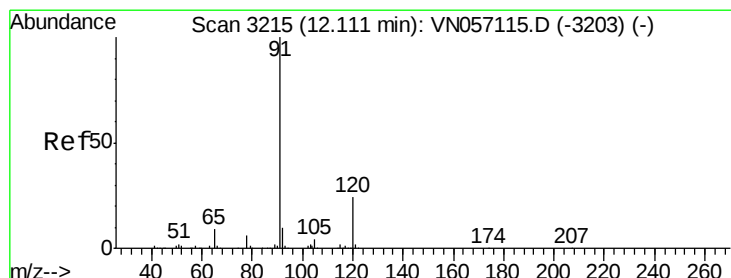
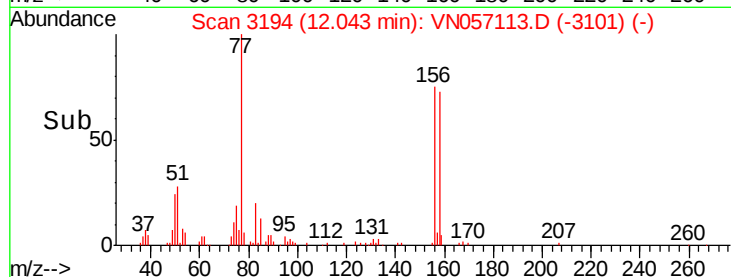
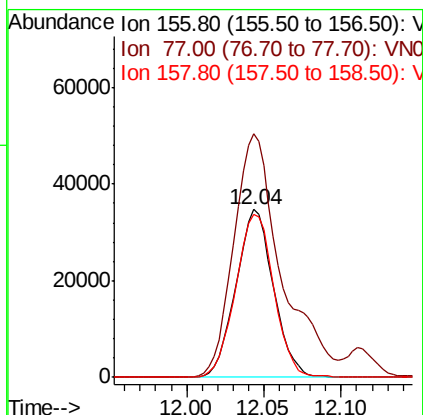
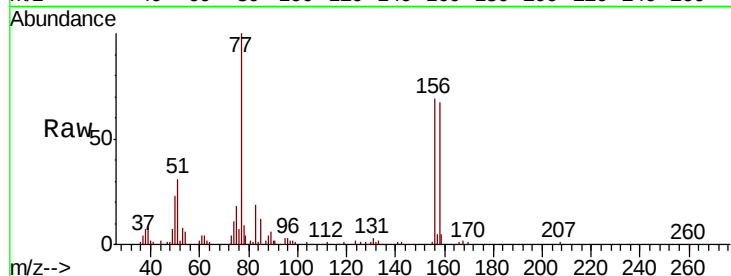




#77
Bromobenzene
Concen: 6.492 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

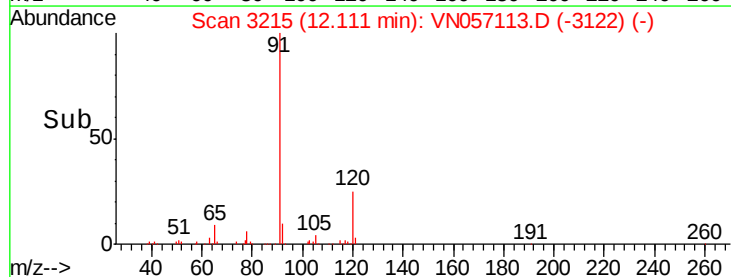
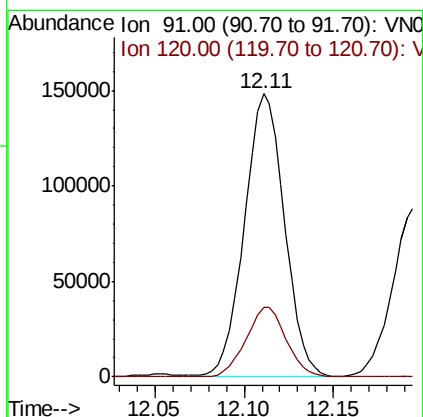
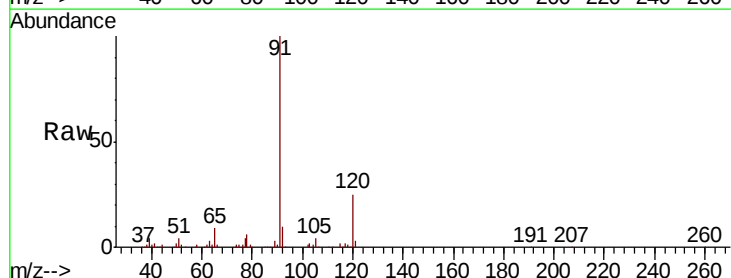
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

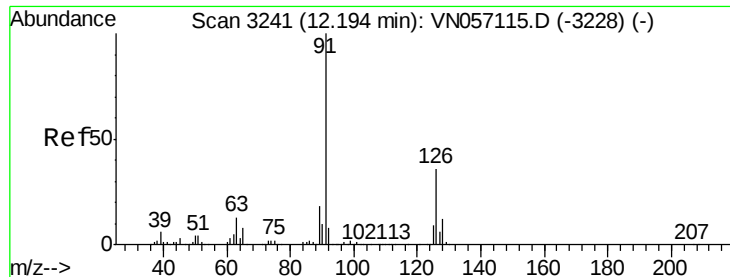
Tgt Ion:156 Resp: 58714
Ion Ratio Lower Upper
156 100
77 183.9 88.7 266.1
158 99.1 49.3 147.8



#78
n-propylbenzene
Concen: 6.624 ug/l
RT: 12.11 min Scan# 3215
Delta R.T. 0.00 min
Lab File: VN057113.D
Acq: 7 Aug 2019 19:18

Tgt Ion: 91 Resp: 230729
Ion Ratio Lower Upper
91 100
120 24.9 12.0 36.0





#79

2-Chlorotoluene

Concen: 6.663 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

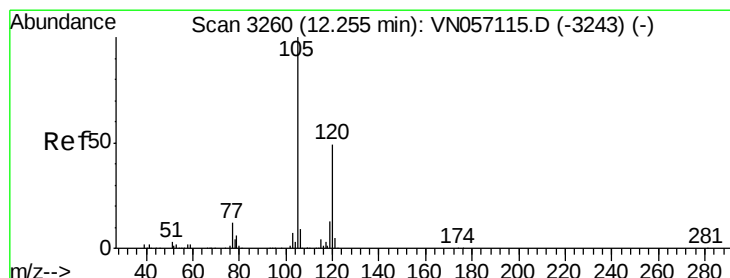
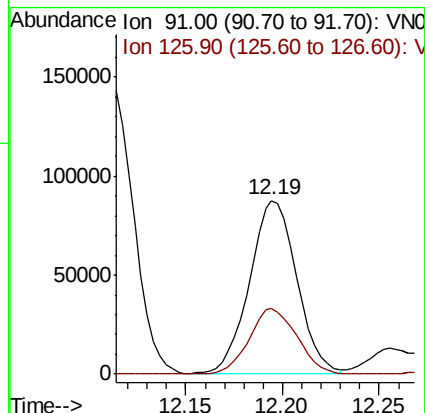
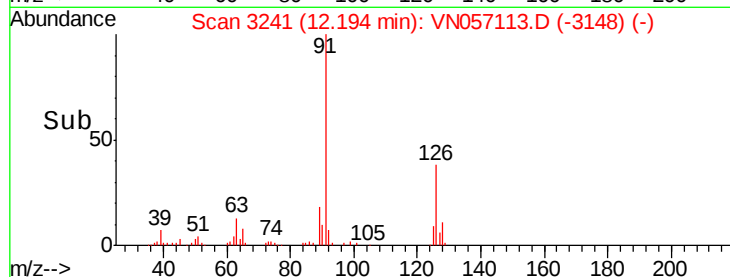
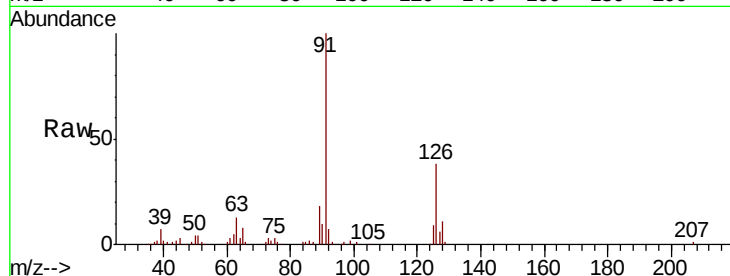
VSTDIC005

Tgt Ion: 91 Resp: 148483

Ion Ratio Lower Upper

91 100

126 38.3 18.1 54.3



#80

1,3,5-Trimethylbenzene

Concen: 6.949 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057113.D

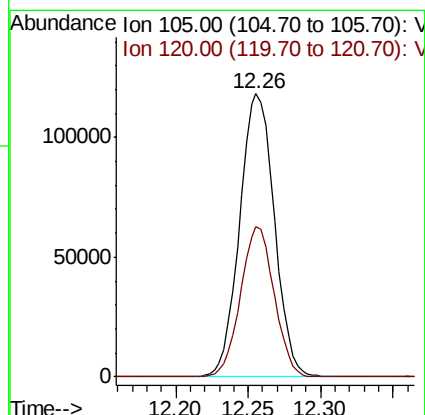
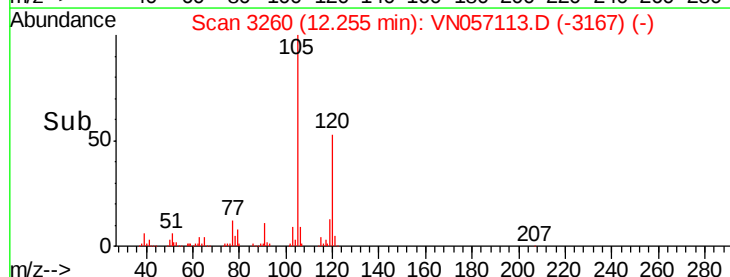
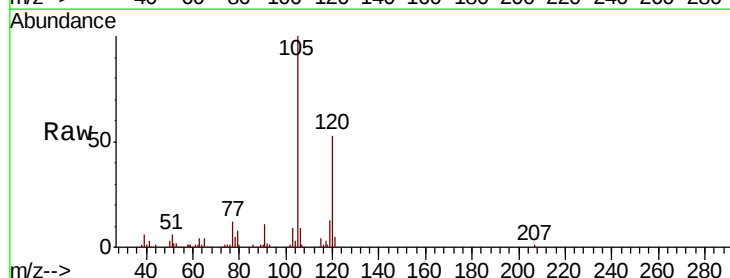
Acq: 7 Aug 2019 19:18

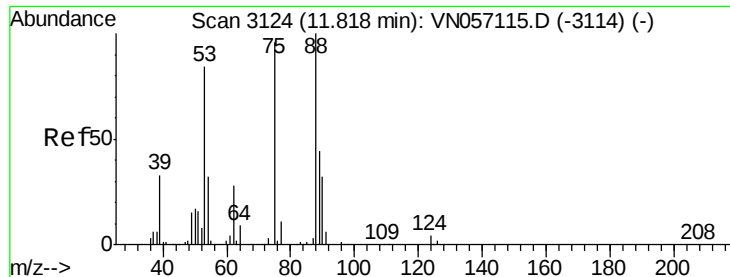
Tgt Ion: 105 Resp: 197106

Ion Ratio Lower Upper

105 100

120 51.4 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 6.052 ug/l

RT: 11.81 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

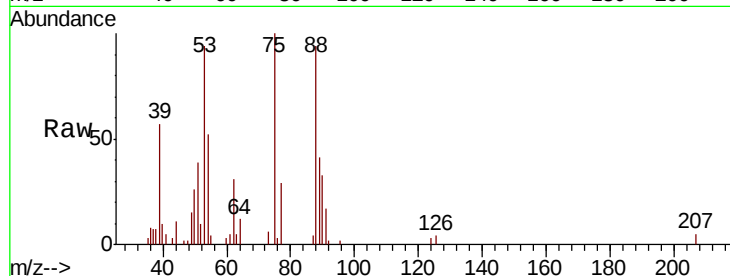
Tgt Ion: 75 Resp: 15142

Ion Ratio Lower Upper

75 100

53 105.4 70.6 106.0

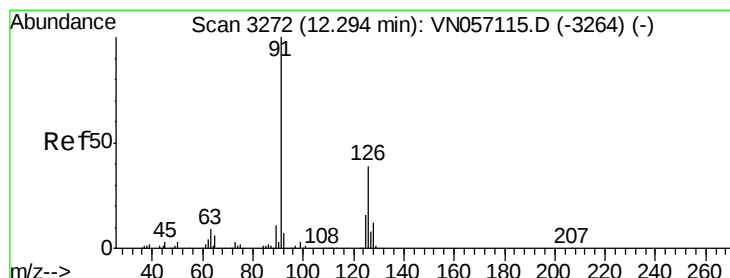
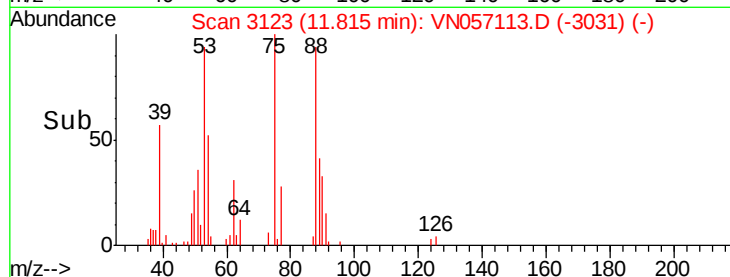
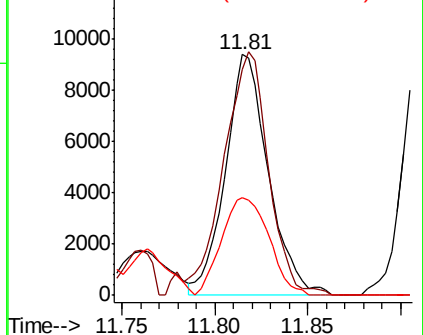
89 44.5 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN057113.D (-3123) (-)

Ion 53.00 (52.70 to 53.70): VN057113.D (-3123) (-)

Ion 88.90 (88.60 to 89.60): VN057113.D (-3123) (-)



#82

4-Chlorotoluene

Concen: 6.153 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN057113.D

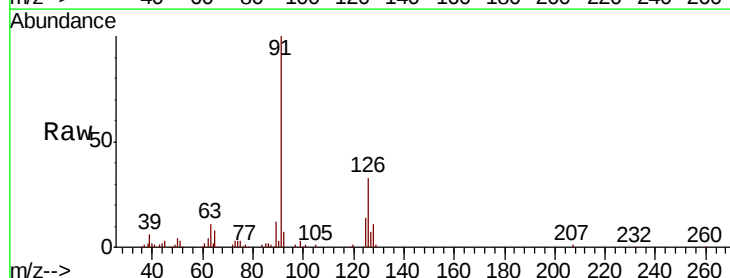
Acq: 7 Aug 2019 19:18

Tgt Ion: 91 Resp: 128575

Ion Ratio Lower Upper

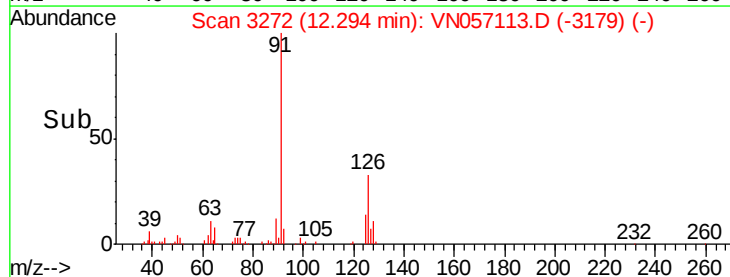
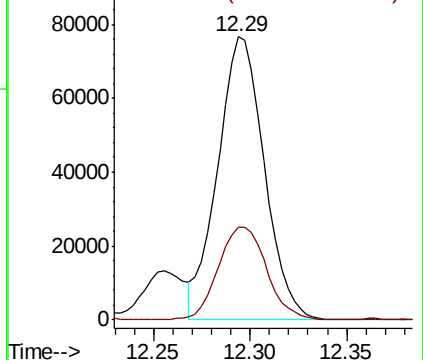
91 100

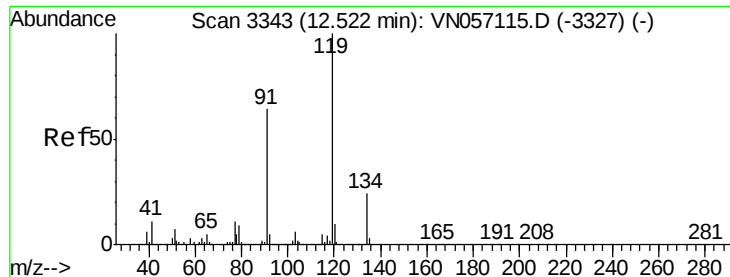
126 34.1 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN057113.D (-3272) (-)

Ion 125.90 (125.60 to 126.60): VN057113.D (-3272) (-)





#83

tert-Butylbenzene

Concen: 7.323 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

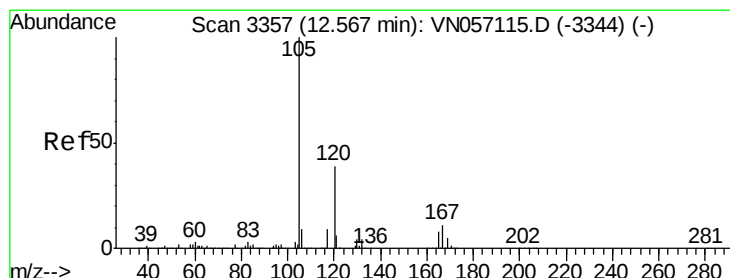
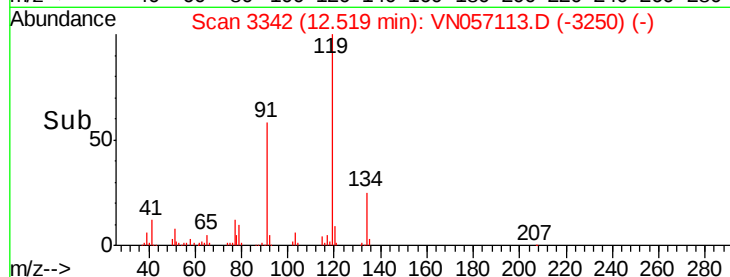
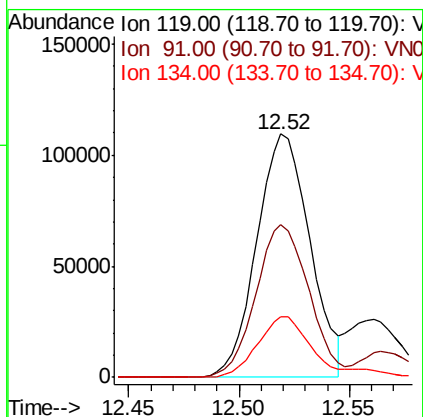
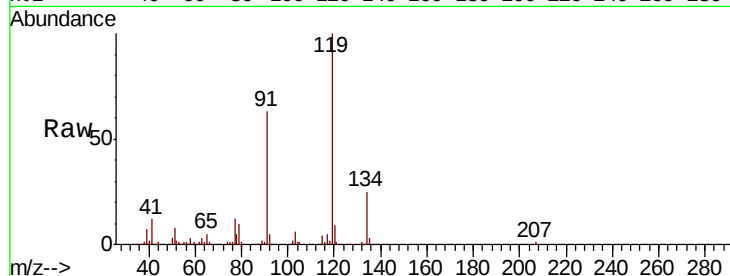
Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:	119	Resp:	183591
Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.4	94.2
134	26.8	13.2	39.6



#84

1,2,4-Trimethylbenzene

Concen: 6.787 ug/l

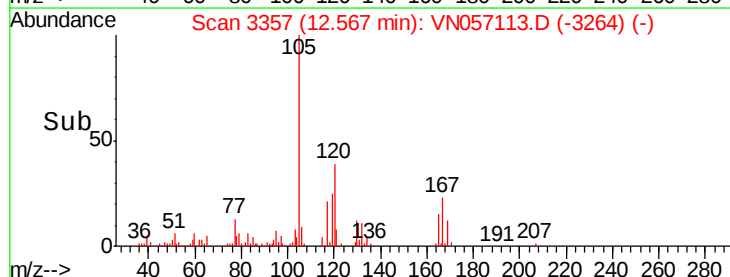
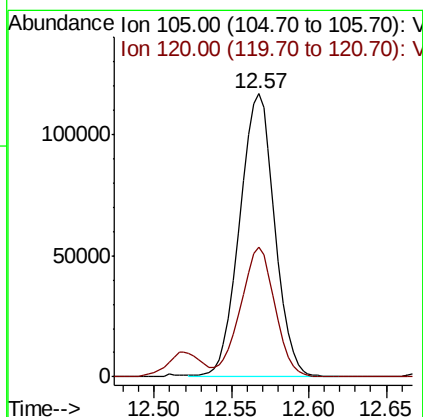
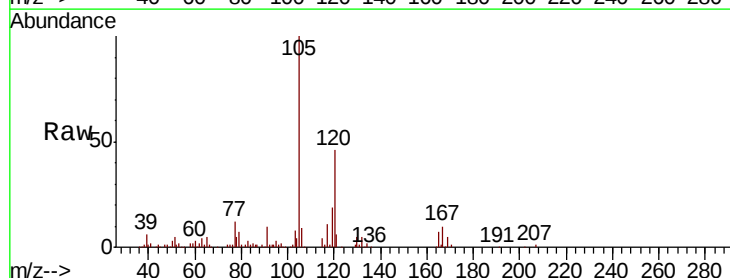
RT: 12.57 min Scan# 3357

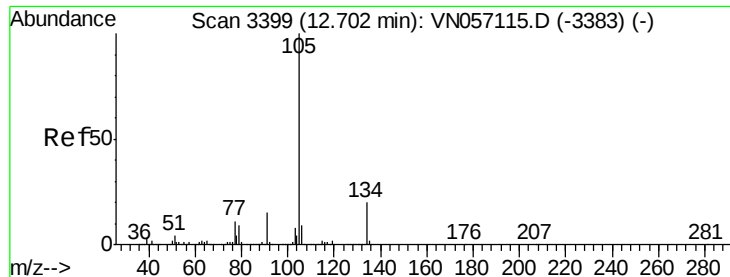
Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Tgt Ion:	105	Resp:	184055
Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.3	69.8





#85

sec-Butylbenzene

Concen: 7.083 ug/l

RT: 12.70 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

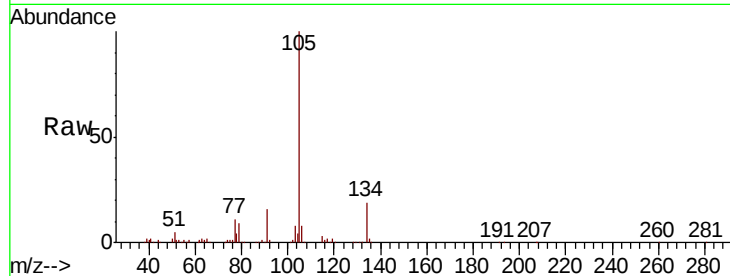
VSTDIC005

Tgt Ion:105 Resp: 219212

Ion Ratio Lower Upper

105 100

134 19.9 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

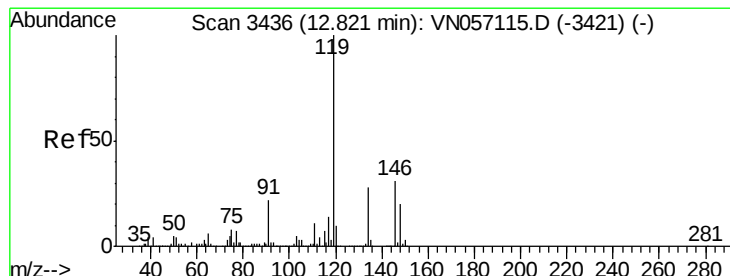
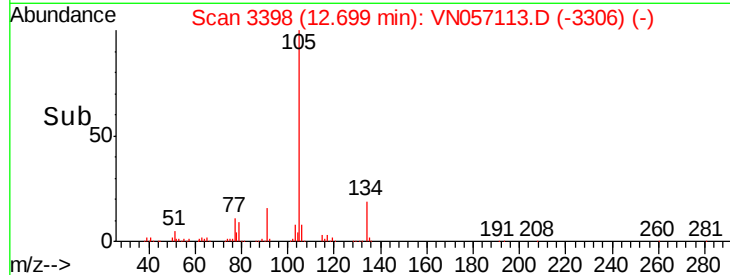
100000

50000

0

12.65 12.70 12.75

Time-->



#86

p-Isopropyltoluene

Concen: 6.660 ug/l

RT: 12.82 min Scan# 3435

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

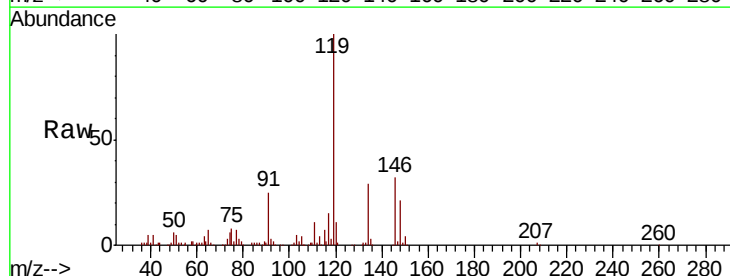
Tgt Ion:119 Resp: 182163

Ion Ratio Lower Upper

119 100

134 28.4 13.8 41.3

91 23.8 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

150000

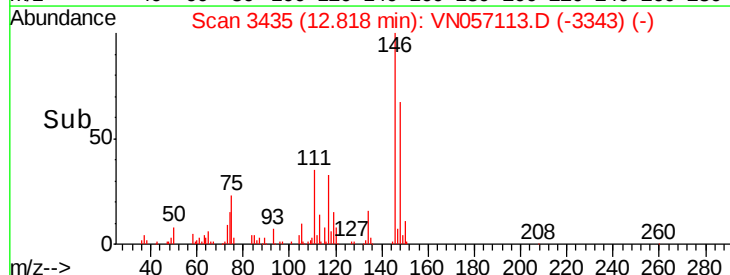
100000

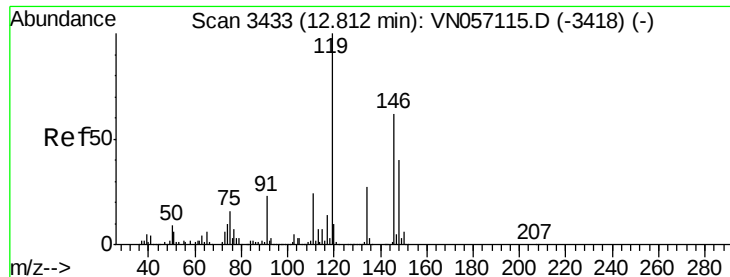
50000

0

12.75 12.80 12.85

Time-->

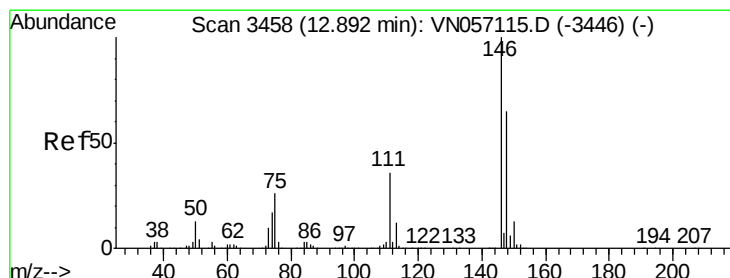
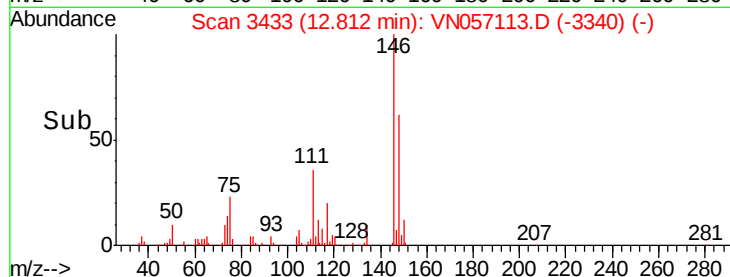
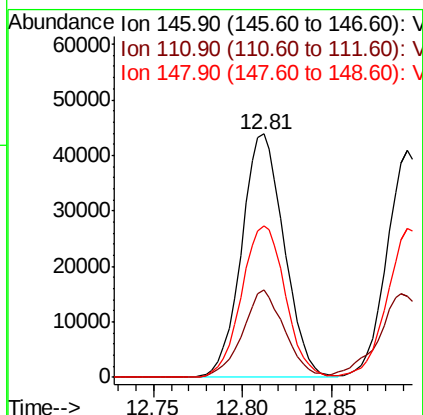
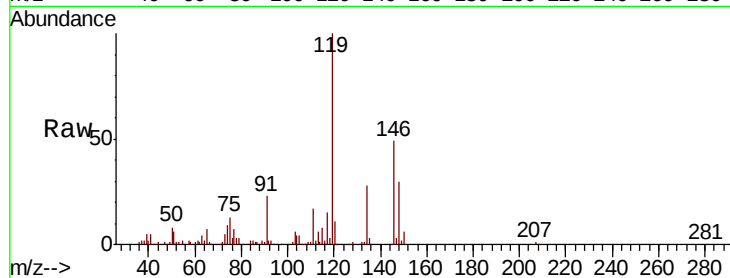




#87
 1,3-Dichlorobenzene
 Concen: 5.230 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

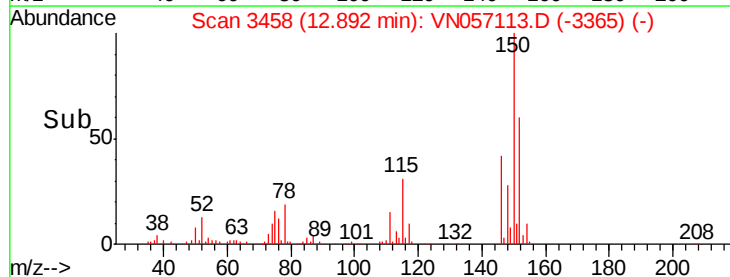
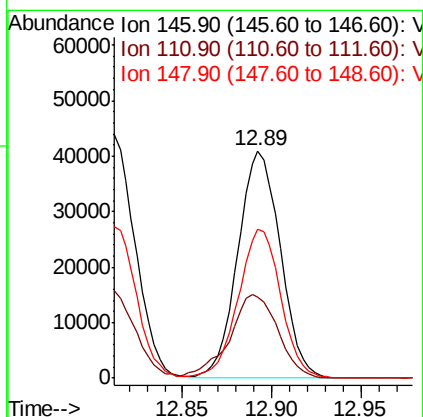
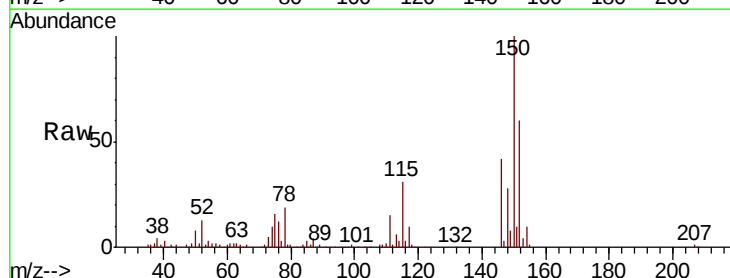
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

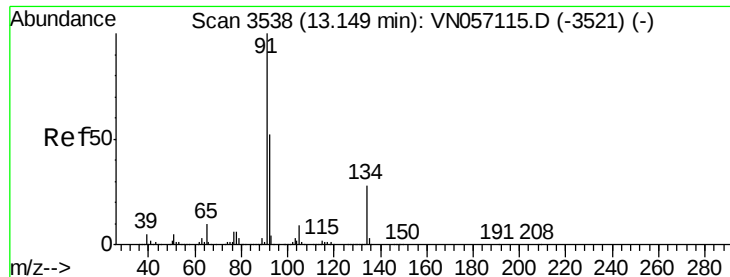
Tgt Ion:146 Resp: 73052
 Ion Ratio Lower Upper
 146 100
 111 35.2 18.8 56.4
 148 63.8 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 5.061 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion:146 Resp: 67980
 Ion Ratio Lower Upper
 146 100
 111 41.9 18.2 54.6
 148 65.8 32.0 96.2





#89

n-Butylbenzene

Concen: 5.635 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

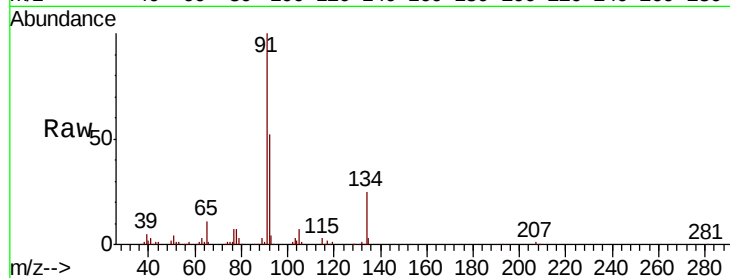
Tgt Ion: 91 Resp: 117803

Ion Ratio Lower Upper

91 100

92 53.0 26.5 79.4

134 26.0 14.1 42.3

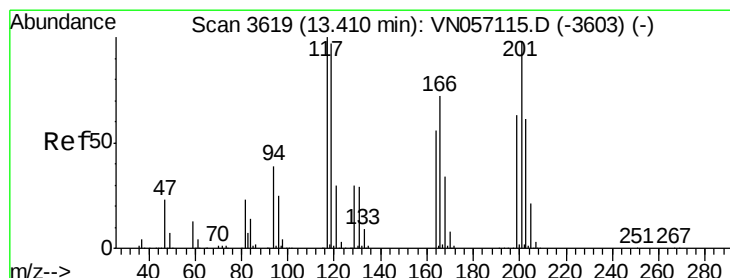
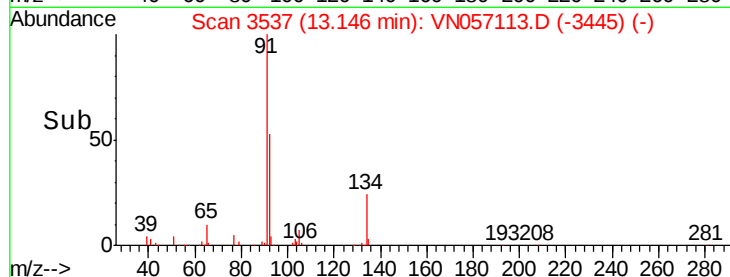


Abundance Ion 91.00 (90.70 to 91.70): VN057113.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057113.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057113.D (-3521) (-)

Time-->



#90

Hexachloroethane

Concen: 6.787 ug/l

RT: 13.41 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VN057113.D

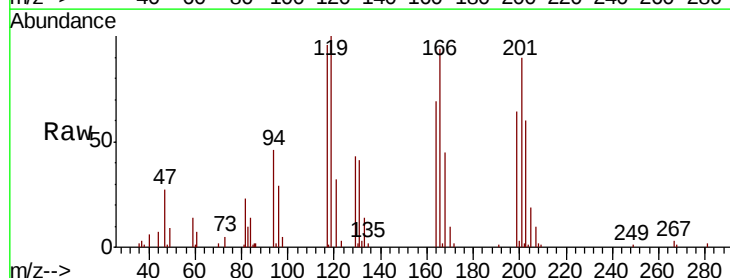
Acq: 7 Aug 2019 19:18

Tgt Ion: 117 Resp: 32166

Ion Ratio Lower Upper

117 100

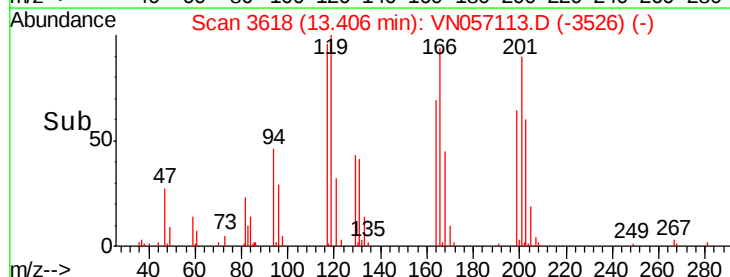
201 94.9 49.3 147.8

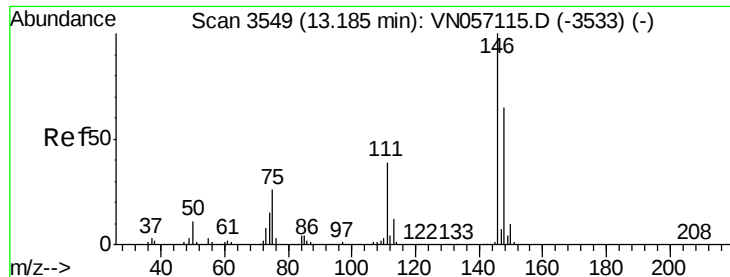


Abundance Ion 116.80 (116.50 to 117.50): VN057113.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057113.D (-3603) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 5.260 ug/l

RT: 13.18 min Scan# 3549

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

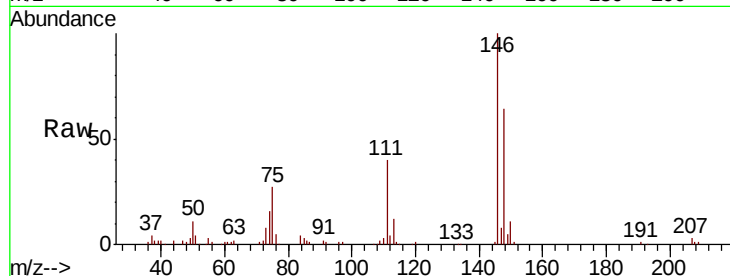
Tgt Ion:146 Resp: 72953

Ion Ratio Lower Upper

146 100

111 39.2 19.2 57.6

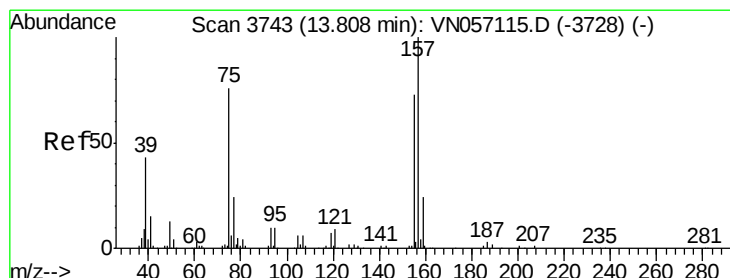
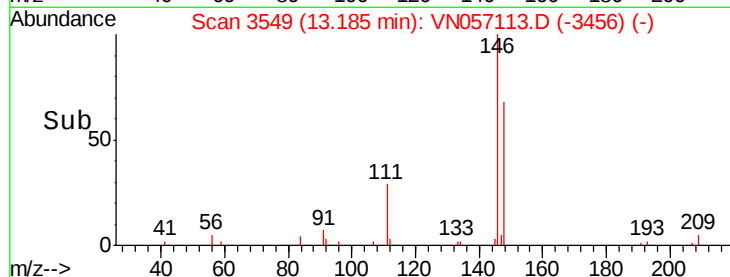
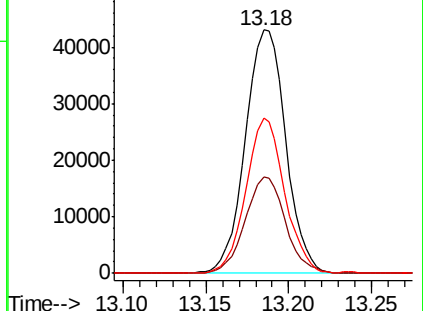
148 60.9 32.4 97.0



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: 4.788 ug/l

RT: 13.81 min Scan# 3742

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

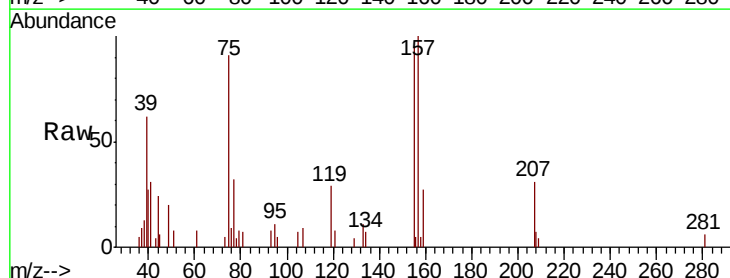
Tgt Ion: 75 Resp: 6496

Ion Ratio Lower Upper

75 100

155 106.9 49.3 147.9

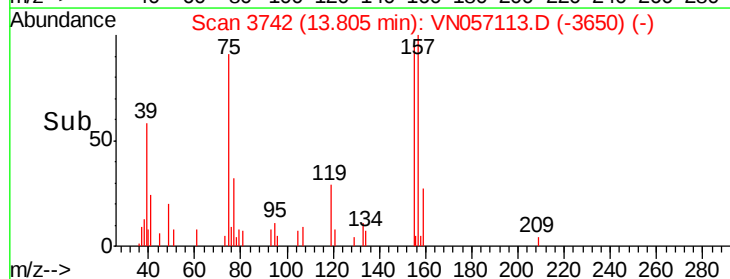
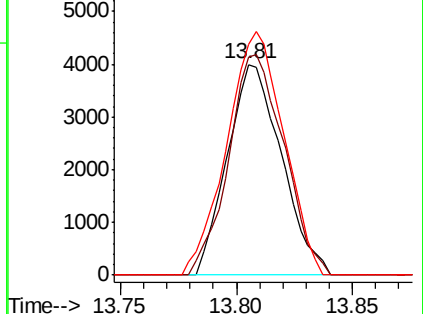
157 121.2 65.3 195.8

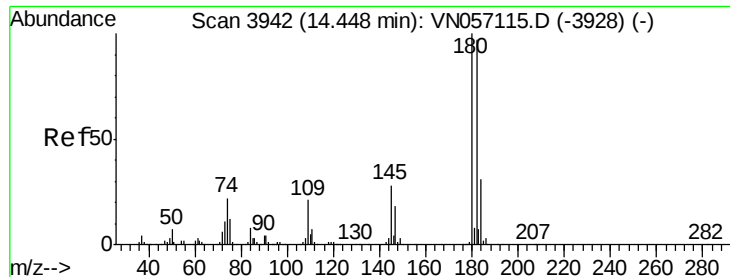


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

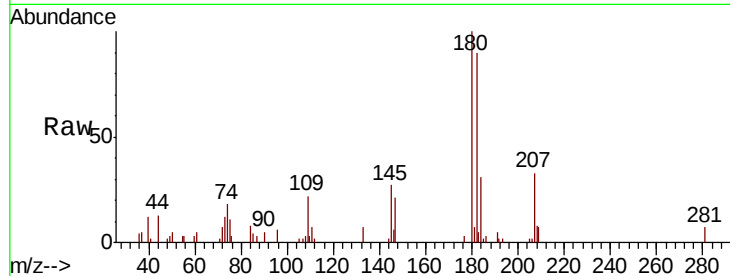




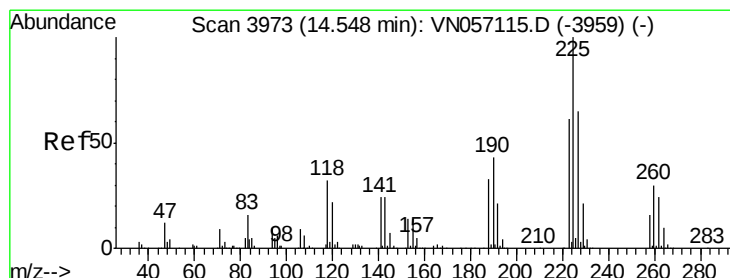
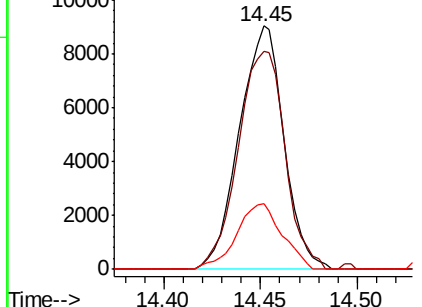
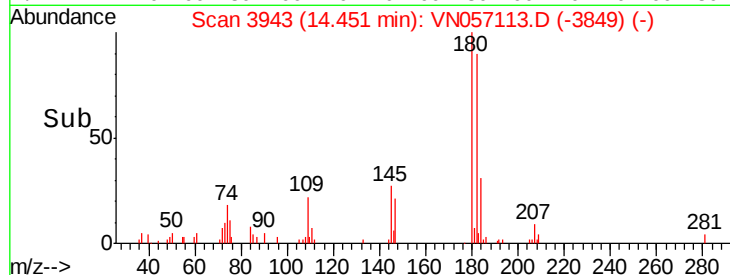
#93
 1,2,4-Trichlorobenzene
 Concen: 2.319 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 14457
 Ion Ratio Lower Upper
 180 100
 182 94.1 47.5 142.6
 145 27.6 14.1 42.2

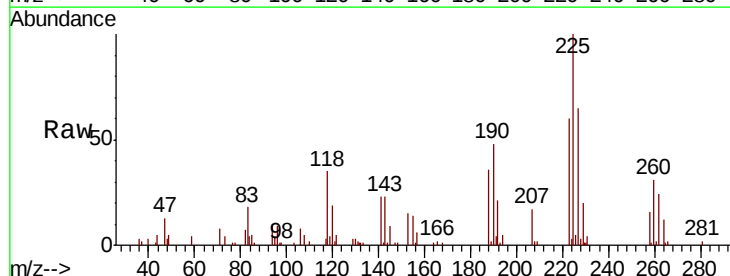


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

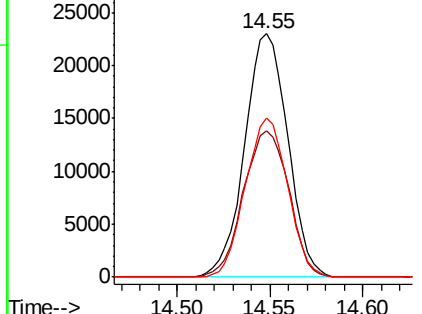
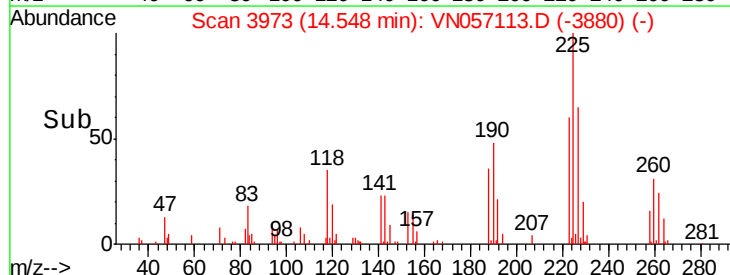


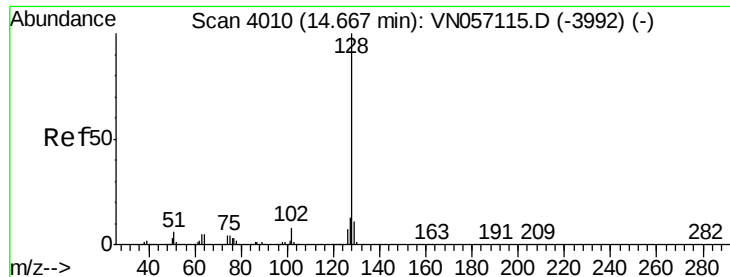
#94
 Hexachlorobutadiene
 Concen: 6.713 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057113.D
 Acq: 7 Aug 2019 19:18

Tgt Ion:225 Resp: 37227
 Ion Ratio Lower Upper
 225 100
 223 63.1 30.9 92.8
 227 64.1 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.727 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

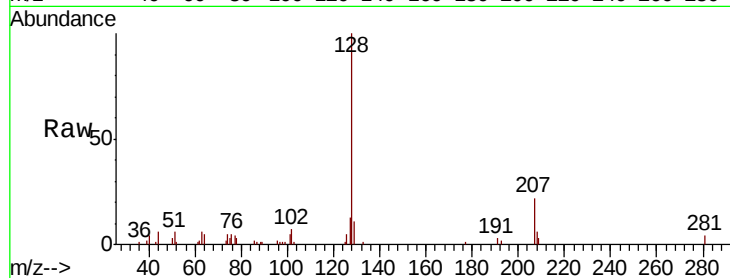
Tgt Ion:128 Resp: 34608

Ion Ratio Lower Upper

128 100

127 11.6 10.3 15.5

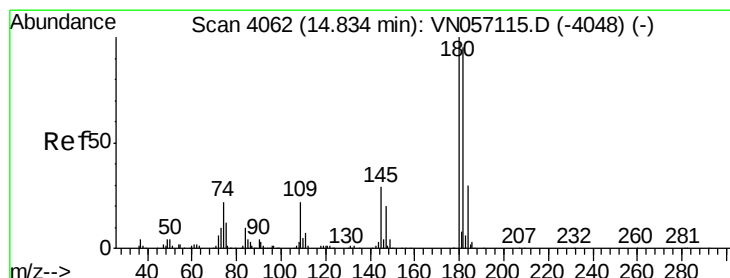
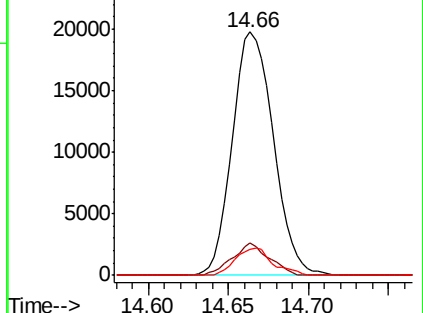
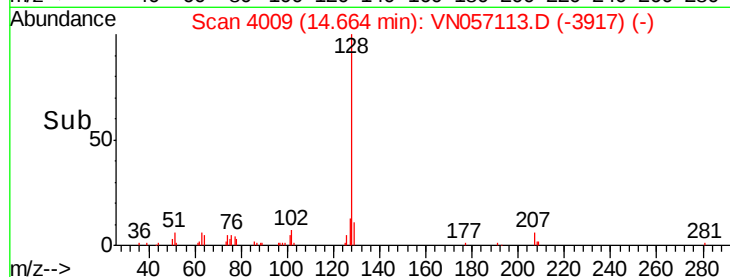
129 10.1 8.8 13.2



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: 2.772 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057113.D

Acq: 7 Aug 2019 19:18

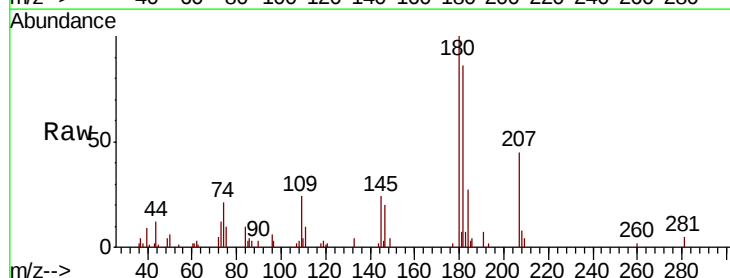
Tgt Ion:180 Resp: 17699

Ion Ratio Lower Upper

180 100

182 88.7 48.3 144.8

145 25.0 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

