

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN080719\
 Data File : VN057114.D
 Acq On : 7 Aug 2019 19:43
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Aug 08 05:01:46 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	1198068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1765475	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.90	117	1541414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.87	152	543237	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	259816	20.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.90%	
35) Dibromofluoromethane	6.99	113	234812	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	
50) Toluene-d8	9.56	98	885202	21.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.24%	
62) 4-Bromofluorobenzene	11.92	95	266717	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.82	85	189399	20.292	ug/l 98
3) Chloromethane	2.00	50	245817	19.680	ug/l 99
4) Vinyl Chloride	2.11	62	237298	19.882	ug/l 100
5) Bromomethane	2.43	94	165734	23.054	ug/l 98
6) Chloroethane	2.55	64	152928	26.037	ug/l 99
7) Trichlorofluoromethane	2.83	101	343692	20.875	ug/l 98
8) Diethyl Ether	3.14	74	132669	19.755	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.44	101	205128	19.679	ug/l 99
10) Methyl Iodide	3.63	142	308400	24.730	ug/l 99
11) Tert butyl alcohol	4.23	59	163102	121.035	ug/l 100
12) 1,1-Dichloroethene	3.43	96	201991	19.334	ug/l 98
13) Acrolein	3.31	56	106737	94.528	ug/l 96
14) Allyl chloride	3.91	41	293246	18.695	ug/l 97
15) Acrylonitrile	4.45	53	491018	111.914	ug/l 100
16) Acetone	3.47	43	374574	98.644	ug/l 98
17) Carbon Disulfide	3.72	76	523741	20.491	ug/l 99
18) Methyl Acetate	3.89	43	228069	17.358	ug/l 99
19) Methyl tert-butyl Ether	4.49	73	629365	20.571	ug/l 100
20) Methylene Chloride	4.10	84	243285	20.274	ug/l 99
21) trans-1,2-Dichloroethene	4.51	96	220987	20.076	ug/l 99
22) Diisopropyl ether	5.32	45	667147	20.255	ug/l 98
23) Vinyl Acetate	5.27	43	2534355	103.039	ug/l 99
24) 1,1-Dichloroethane	5.25	63	401340	19.794	ug/l 97
25) 2-Butanone	6.20	43	591074	109.123	ug/l 100
26) 2,2-Dichloropropane	6.21	77	295206	19.100	ug/l 100
27) cis-1,2-Dichloroethene	6.21	96	259521	20.196	ug/l 100
28) Bromochloromethane	6.59	49	198752	22.153	ug/l 98
29) Tetrahydrofuran	6.60	42	396812	112.606	ug/l 99
30) Chloroform	6.76	83	406758	20.016	ug/l 98
31) Cyclohexane	7.07	56	355785	19.821	ug/l 98
32) 1,1,1-Trichloroethane	6.98	97	345910	20.416	ug/l 98
36) 1,1-Dichloropropene	7.20	75	299404	19.524	ug/l 99
37) Ethyl Acetate	6.28	43	247871	21.203	ug/l # 100
38) Carbon Tetrachloride	7.18	117	303090	20.514	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.52	83	349874	19.712	ug/l	99
40) Benzene	7.46	78	935316	19.761	ug/l	97
41) Methacrylonitrile	6.55	41	124765	25.365	ug/l	97
42) 1,2-Dichloroethane	7.54	62	295780	19.962	ug/l	99
43) Isopropyl Acetate	7.56	43	414729	19.452	ug/l	98
44) Trichloroethene	8.27	130	262097	20.268	ug/l	100
45) 1,2-Dichloropropane	8.56	63	242546	19.816	ug/l	99
46) Dibromomethane	8.65	93	154913	20.325	ug/l	97
47) Bromodichloromethane	8.85	83	301186	20.599	ug/l	97
48) Methyl methacrylate	8.63	41	190639	20.319	ug/l	99
49) 1,4-Dioxane	8.64	88	78550	412.046	ug/l	97
51) 4-Methyl-2-Pentanone	9.45	43	1231199	115.617	ug/l	99
52) Toluene	9.63	92	589852	20.526	ug/l	99
53) t-1,3-Dichloropropene	9.86	75	312963	20.405	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	363638	20.220	ug/l	99
55) 1,1,2-Trichloroethane	10.04	97	227684	20.762	ug/l	96
56) Ethyl methacrylate	9.90	69	318162	21.175	ug/l	99
57) 1,3-Dichloropropane	10.19	76	381318	20.944	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.15	63	546228	100.765	ug/l	98
59) 2-Hexanone	10.24	43	826694	108.207	ug/l	99
60) Dibromochloromethane	10.39	129	239006	20.946	ug/l	99
61) 1,2-Dibromoethane	10.50	107	237017	21.160	ug/l	99
64) Tetrachloroethene	10.11	164	267714	20.645	ug/l	96
65) Chlorobenzene	10.93	112	623897	20.049	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.01	131	237643	20.726	ug/l	99
67) Ethyl Benzene	11.01	91	1086979	20.292	ug/l	100
68) m/p-Xylenes	11.12	106	801230	39.710	ug/l	98
69) o-Xylene	11.46	106	399501	20.155	ug/l	98
70) Styrene	11.47	104	614632	19.445	ug/l	99
71) Bromoform	11.64	173	173228	21.388	ug/l #	98
73) Isopropylbenzene	11.76	105	1054989	23.906	ug/l	100
74) N-amyl acetate	11.58	43	283023	21.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	302644	24.380	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	344773	33.618	ug/l #	100
77) Bromobenzene	12.04	156	263776	22.445	ug/l	99
78) n-propylbenzene	12.11	91	1057736	23.371	ug/l	99
79) 2-Chlorotoluene	12.19	91	676645	23.368	ug/l	100
80) 1,3,5-Trimethylbenzene	12.26	105	874687	23.731	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	72499	22.301	ug/l	96
82) 4-Chlorotoluene	12.29	91	599056	22.061	ug/l	100
83) tert-Butylbenzene	12.52	119	765055	23.485	ug/l	99
84) 1,2,4-Trimethylbenzene	12.57	105	842264	23.900	ug/l	99
85) sec-Butylbenzene	12.70	105	963469	23.959	ug/l	100
86) p-Isopropyltoluene	12.82	119	837945	23.576	ug/l	100
87) 1,3-Dichlorobenzene	12.81	146	377567	20.804	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	341523	19.567	ug/l	98
89) n-Butylbenzene	13.15	91	588722	21.673	ug/l	99
90) Hexachloroethane	13.41	117	142949	23.212	ug/l	99
91) 1,2-Dichlorobenzene	13.18	146	380824	21.133	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	39433	22.369	ug/l	92

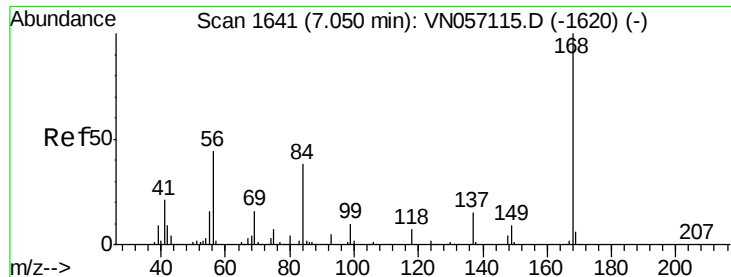
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	109401	13.505	ug/l	96
94) Hexachlorobutadiene	14.55	225	157125	21.806	ug/l	98
95) Naphthalene	14.66	128	223677	13.566	ug/l	99
96) 1,2,3-Trichlorobenzene	14.83	180	116896	14.090	ug/l	99

(#) = 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: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

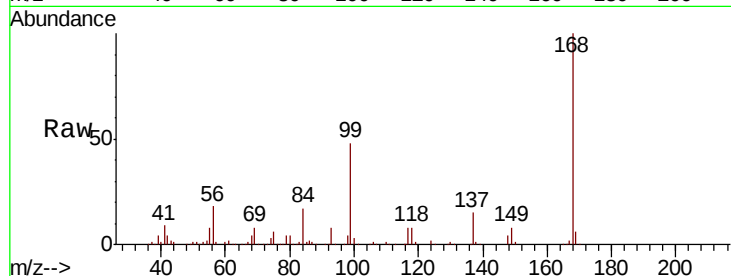
VSTDIC020

Tgt Ion:168 Resp: 1198068

Ion Ratio Lower Upper

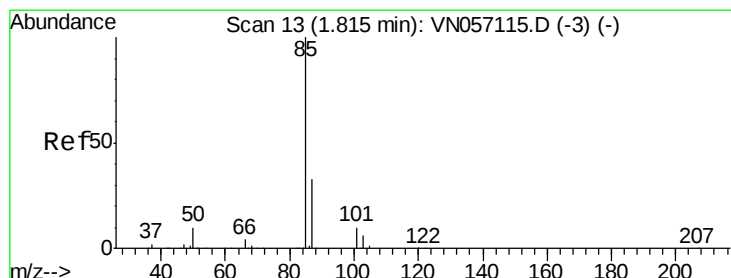
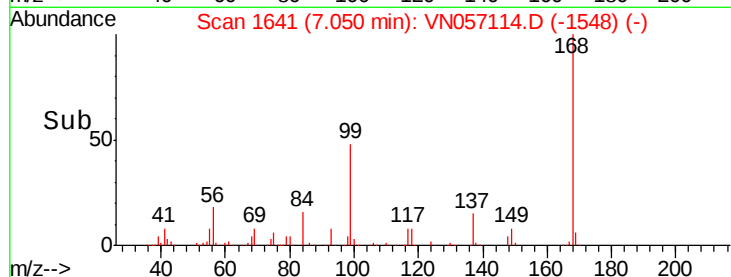
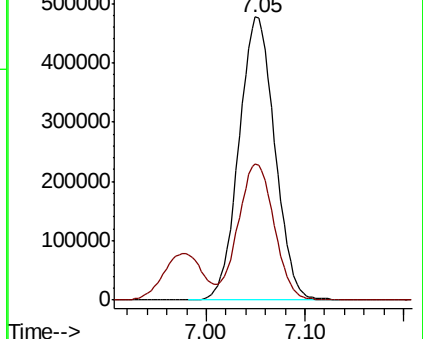
168 100

99 48.1 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.292 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057114.D

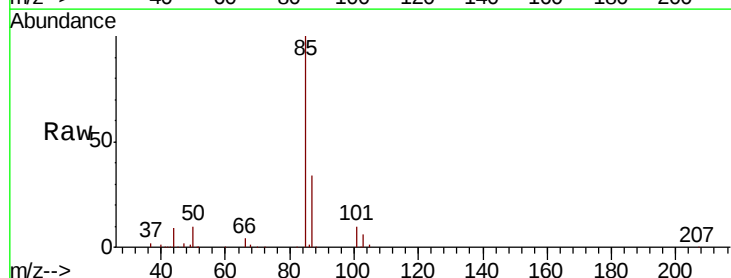
Acq: 7 Aug 2019 19:43

Tgt Ion: 85 Resp: 189399

Ion Ratio Lower Upper

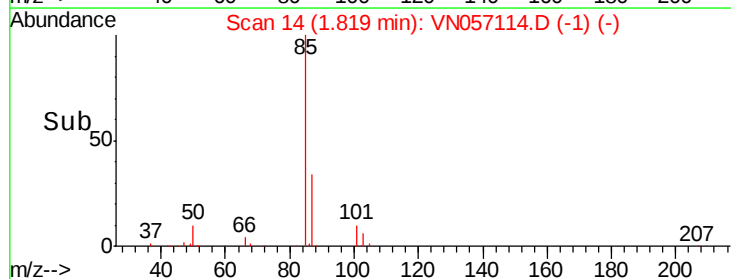
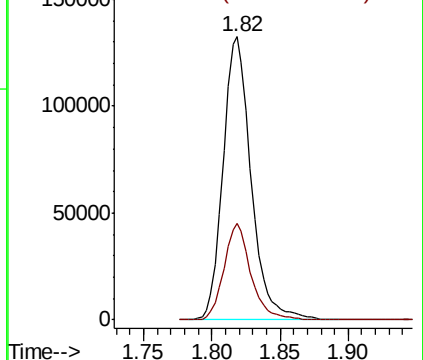
85 100

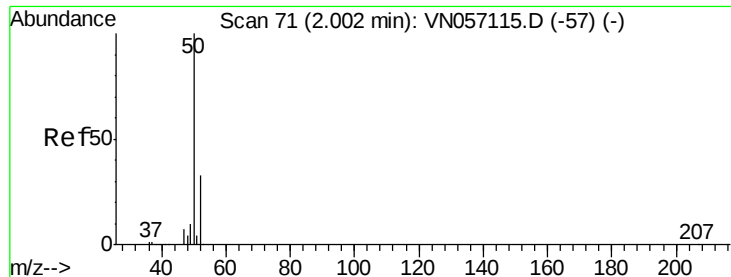
87 34.2 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.680 ug/l

RT: 2.00 min Scan# 71

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

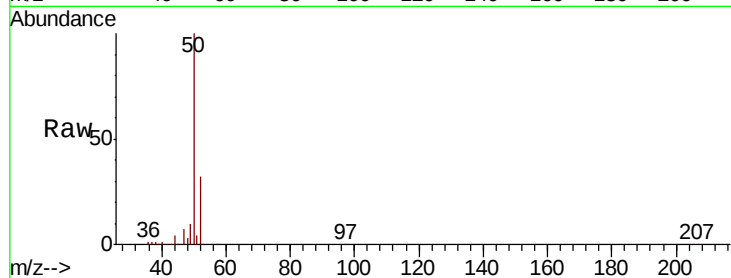
VSTDIC020

Tgt Ion: 50 Resp: 245817

Ion Ratio Lower Upper

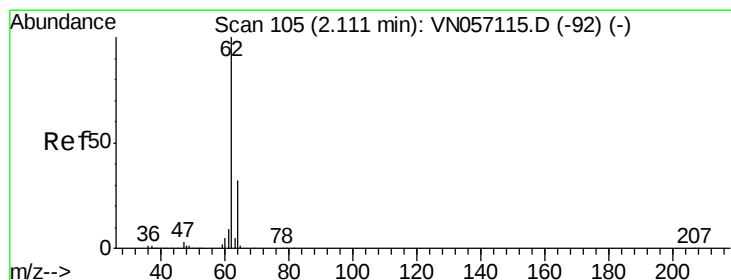
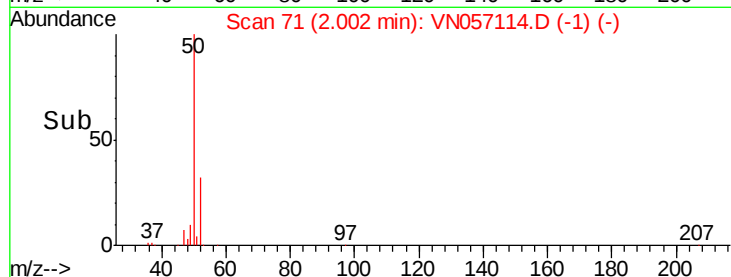
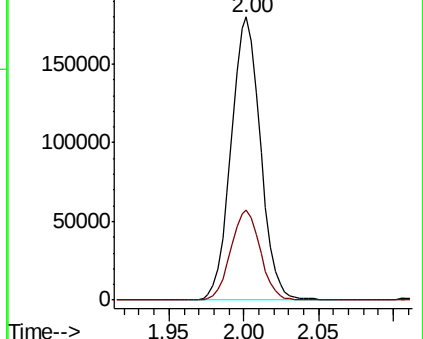
50 100

52 31.9 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VN057114.D (-57) (-)

Ion 51.90 (51.60 to 52.60): VN057114.D (-57) (-)



#4

Vinyl Chloride

Concen: 19.882 ug/l

RT: 2.11 min Scan# 105

Delta R.T. 0.00 min

Lab File: VN057114.D

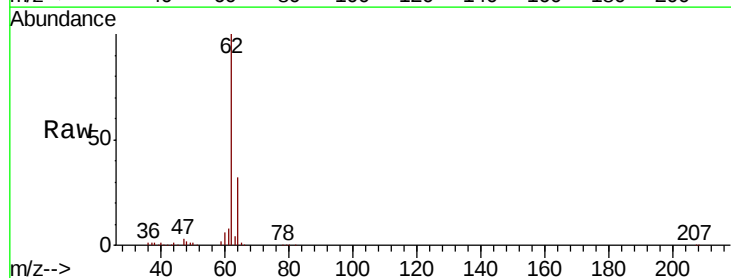
Acq: 7 Aug 2019 19:43

Tgt Ion: 62 Resp: 237298

Ion Ratio Lower Upper

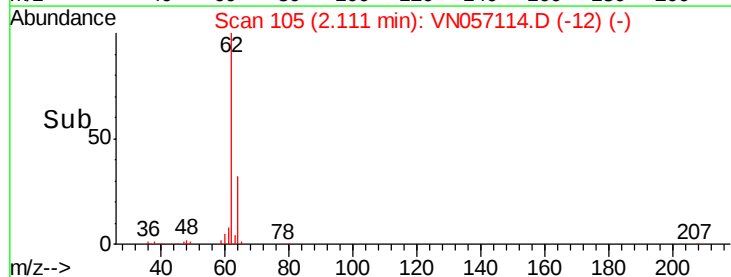
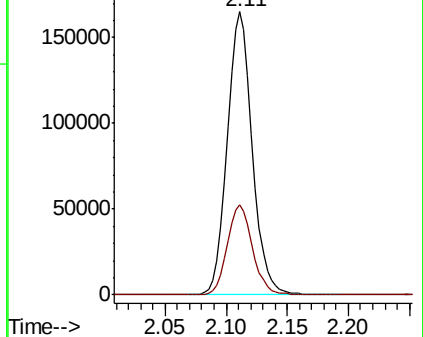
62 100

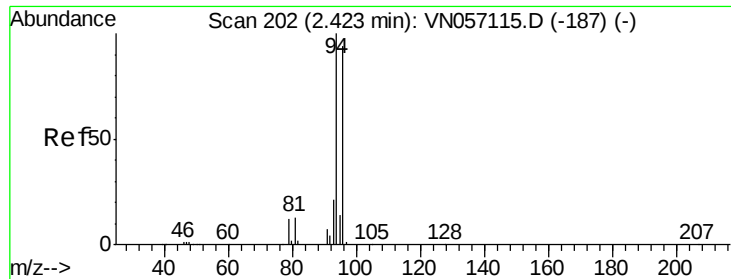
64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN057114.D (-92) (-)

Ion 63.90 (63.60 to 64.60): VN057114.D (-92) (-)





#5

Bromomethane

Concen: 23.054 ug/l

RT: 2.43 min Scan# 205

Delta R.T. 0.01 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

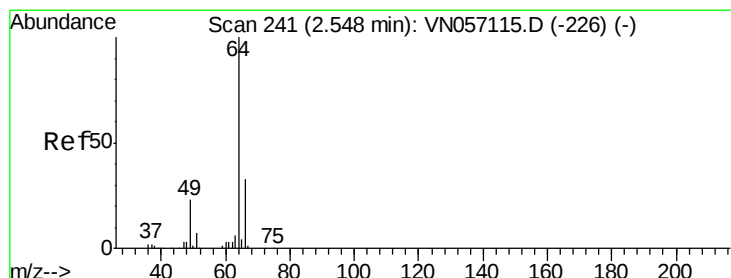
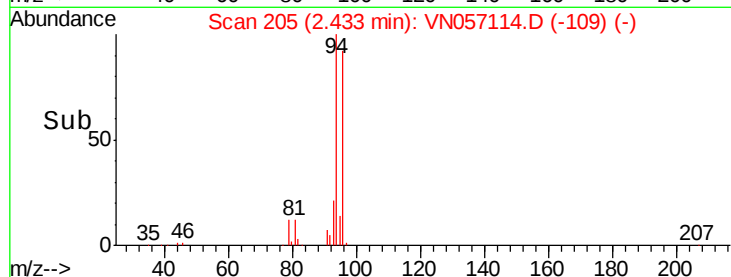
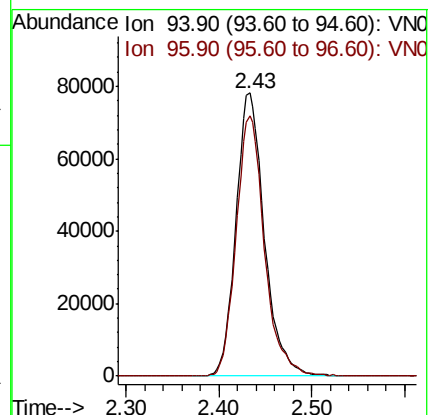
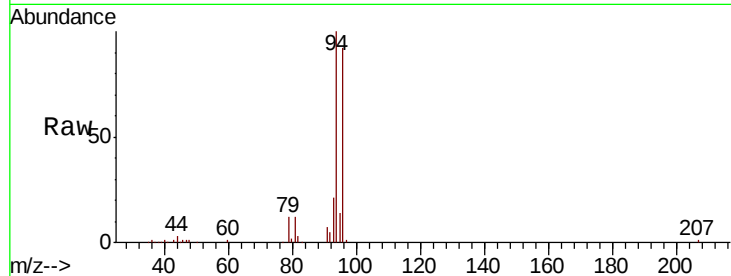
VSTDIC020

Tgt Ion: 94 Resp: 165734

Ion Ratio Lower Upper

94 100

96 91.9 75.0 112.4



#6

Chloroethane

Concen: 26.037 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN057114.D

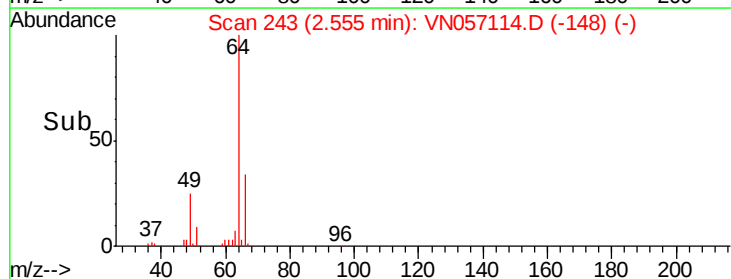
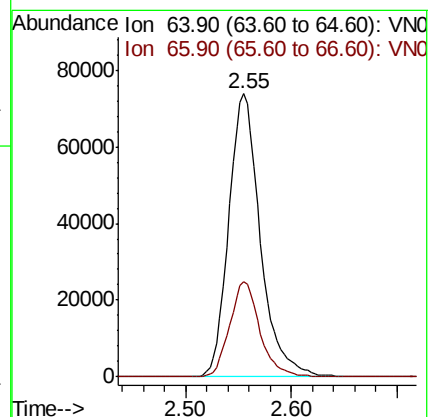
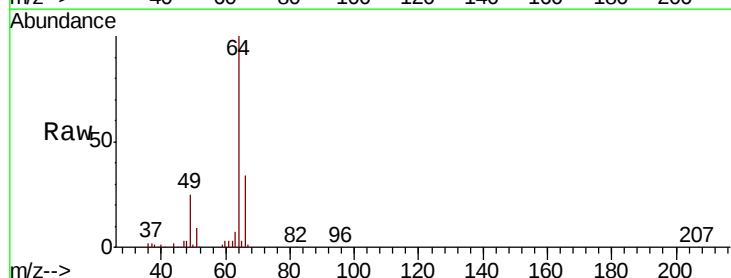
Acq: 7 Aug 2019 19:43

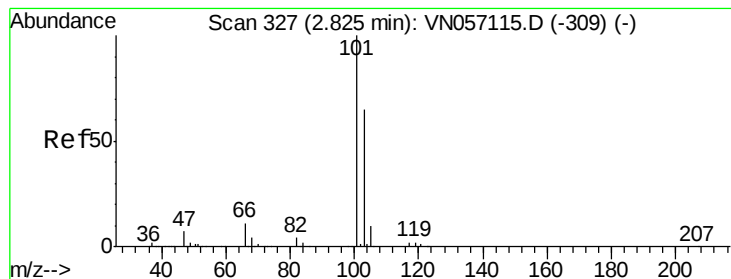
Tgt Ion: 64 Resp: 152928

Ion Ratio Lower Upper

64 100

66 33.5 26.2 39.4



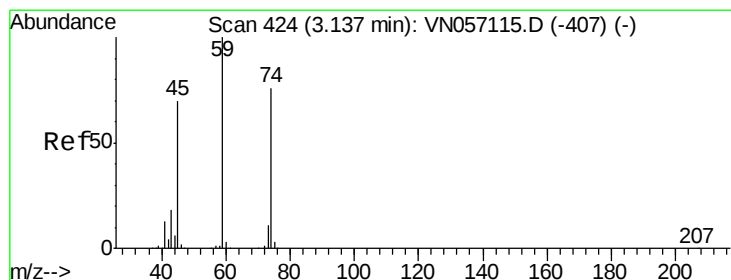
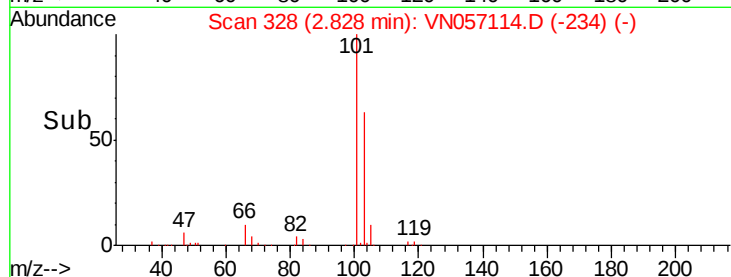
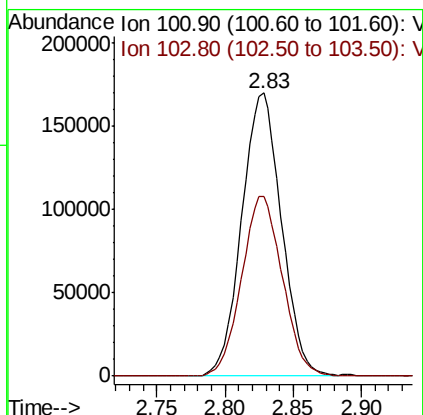
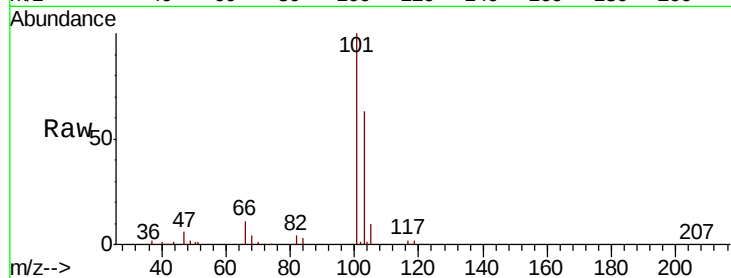


#7

Trichlorofluoromethane
 Concen: 20.875 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Instrument :
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 VSTDIC020

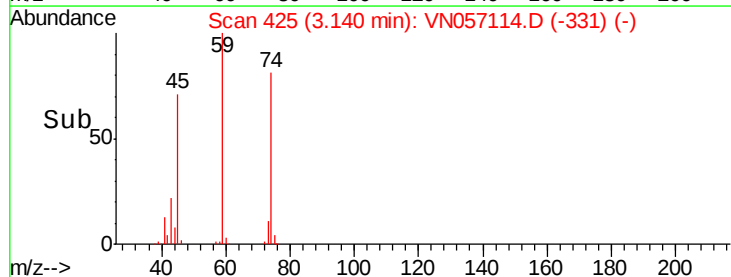
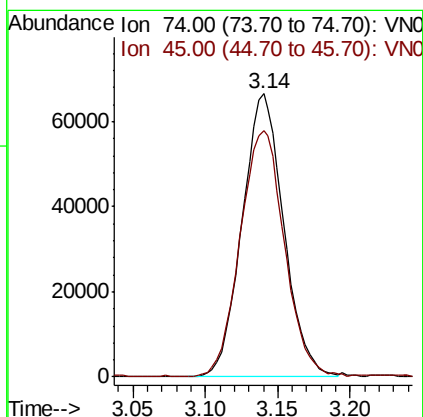
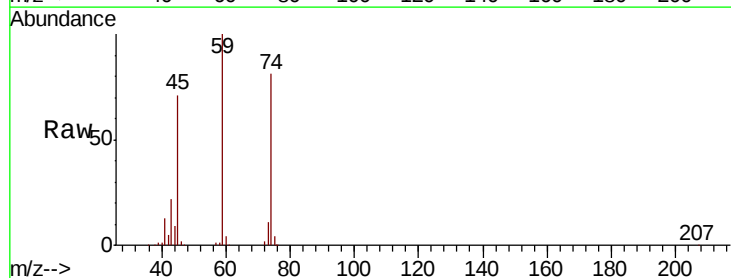
Tgt Ion: 101 Resp: 343692
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.2 78.4

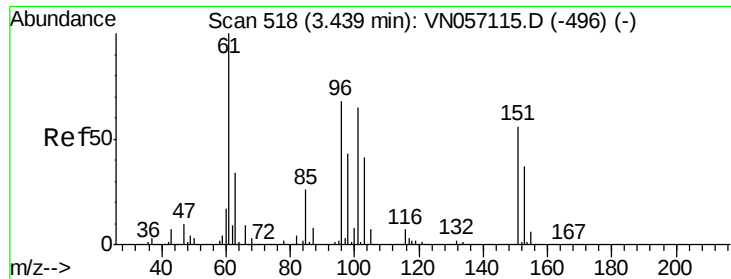


#8

Diethyl Ether
 Concen: 19.755 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 74 Resp: 132669
 Ion Ratio Lower Upper
 74 100
 45 93.0 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.679 ug/l

RT: 3.44 min Scan# 519

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

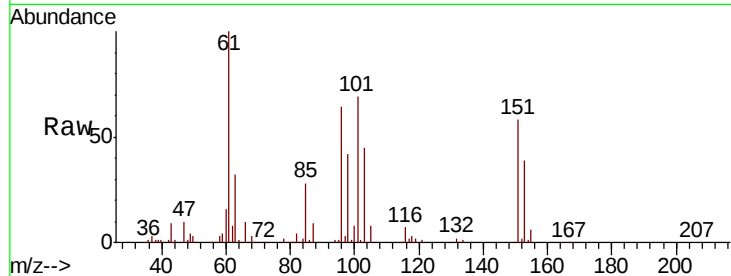
Tgt Ion:101 Resp: 205128

Ion Ratio Lower Upper

101 100

85 41.2 32.3 48.5

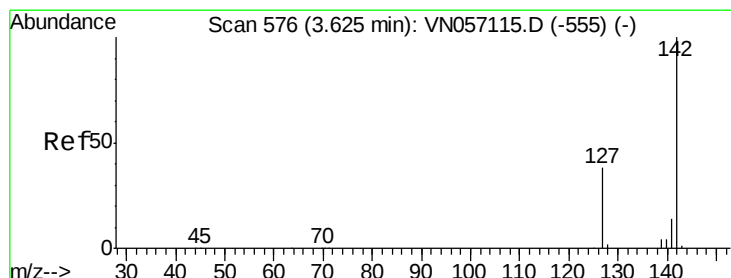
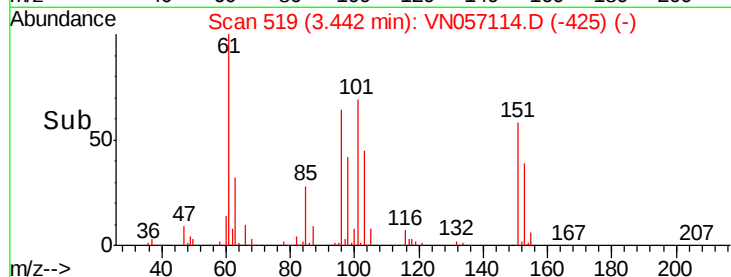
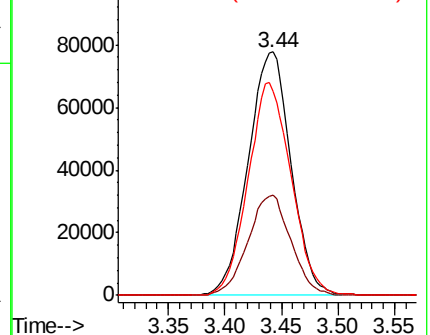
151 87.7 69.4 104.0



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: 24.730 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

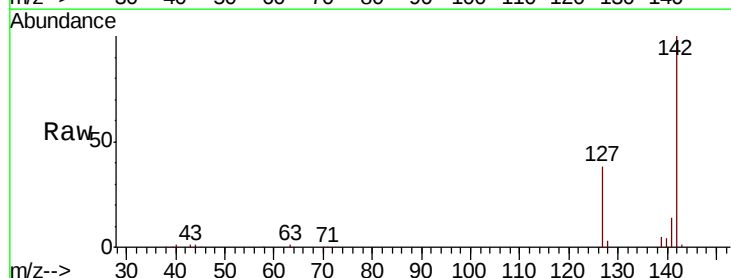
Tgt Ion:142 Resp: 308400

Ion Ratio Lower Upper

142 100

127 38.0 31.0 46.6

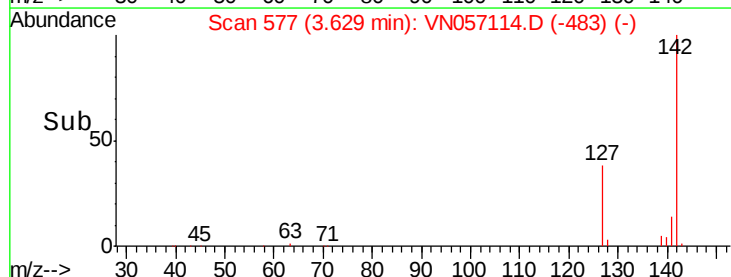
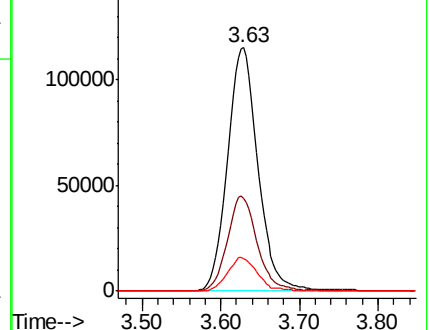
141 13.6 11.2 16.8

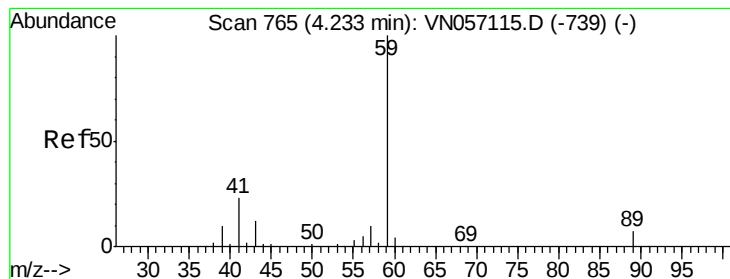


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



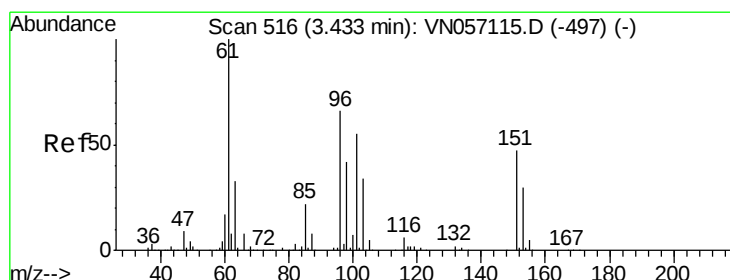
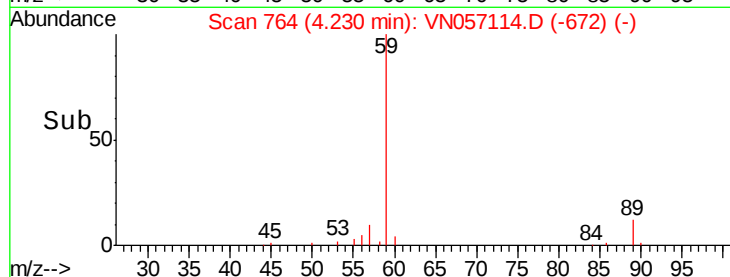
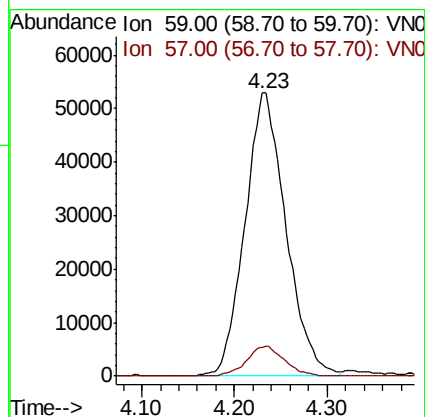
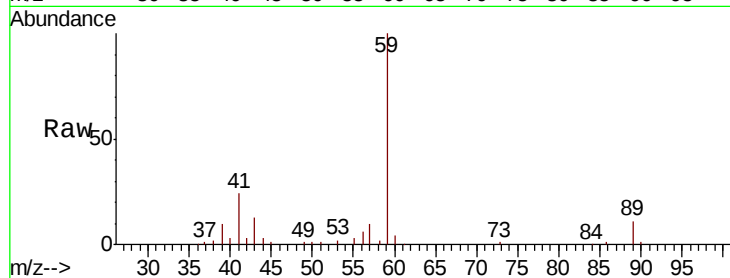


#11

Tert butyl alcohol
 Concen: 121.035 ug/l
 RT: 4.23 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

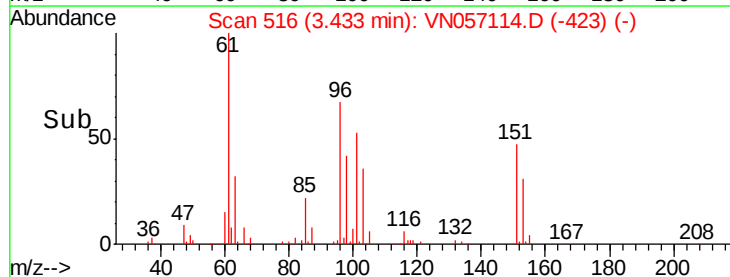
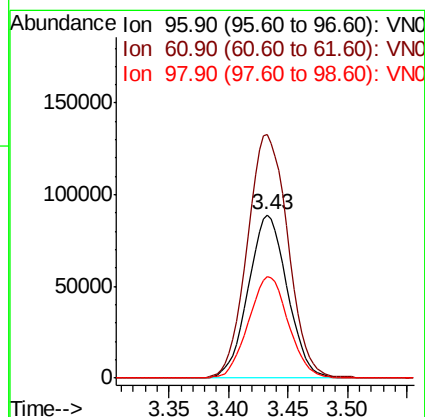
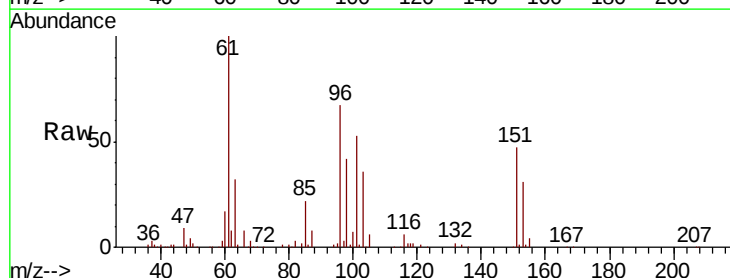
Tgt Ion: 59 Resp: 163102
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.9 11.9

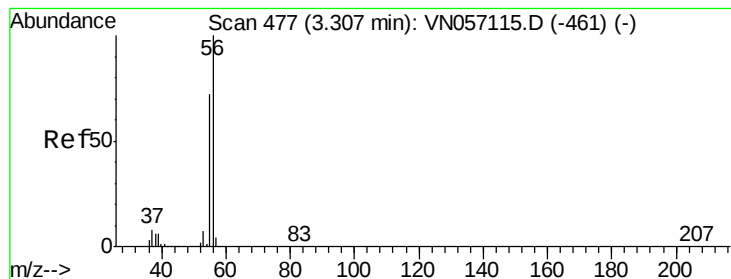


#12

1,1-Dichloroethene
 Concen: 19.334 ug/l
 RT: 3.43 min Scan# 516
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 96 Resp: 201991
 Ion Ratio Lower Upper
 96 100
 61 149.3 121.0 181.6
 98 62.0 50.8 76.2





#13

Acrolein

Concen: 94.528 ug/l

RT: 3.31 min Scan# 478

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

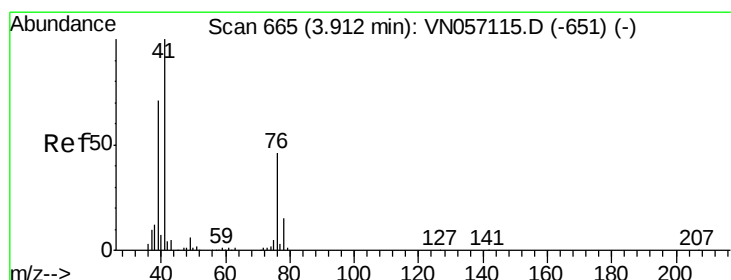
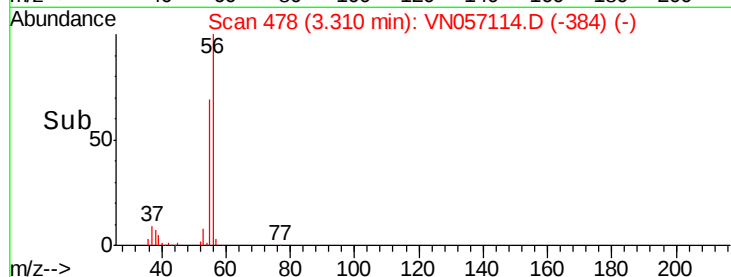
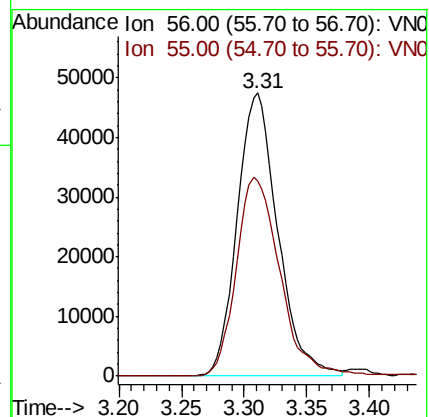
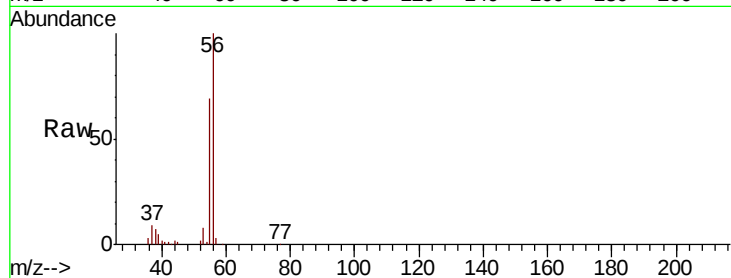
VSTDIC020

Tgt Ion: 56 Resp: 106737

Ion Ratio Lower Upper

56 100

55 75.4 57.7 86.5



#14

Allyl chloride

Concen: 18.695 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

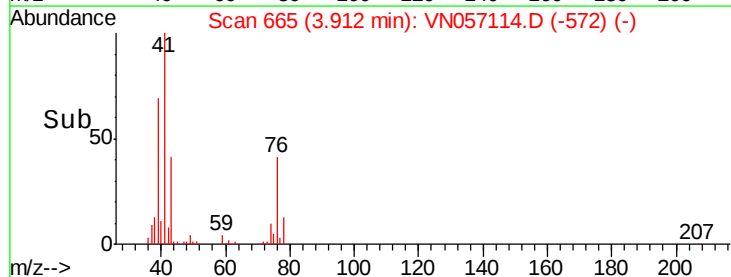
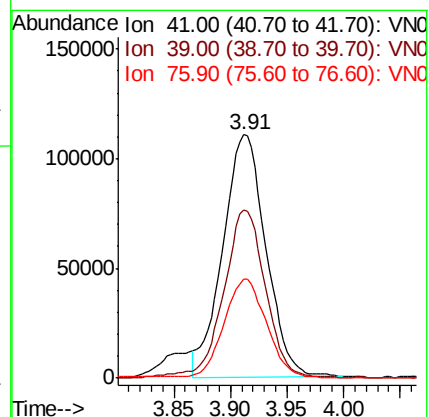
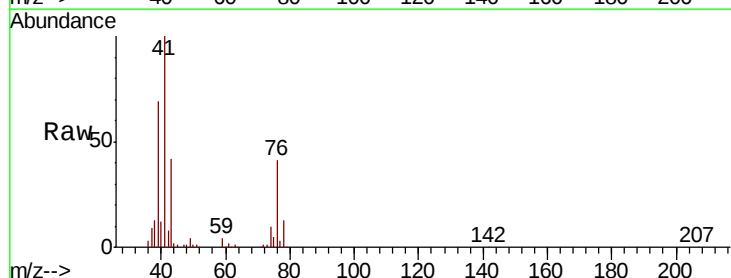
Tgt Ion: 41 Resp: 293246

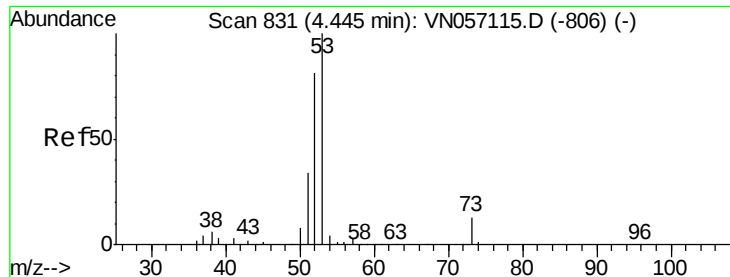
Ion Ratio Lower Upper

41 100

39 67.6 51.1 76.7

76 40.6 32.8 49.2

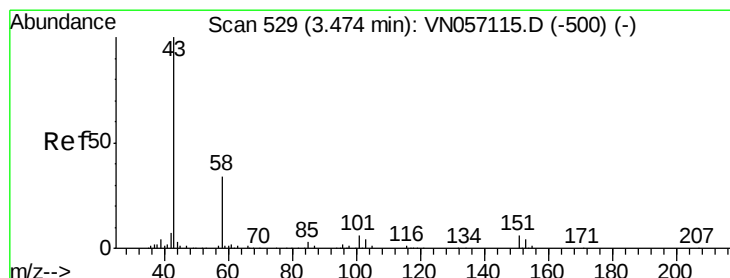
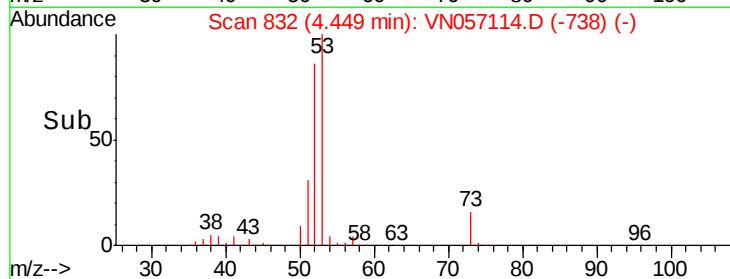
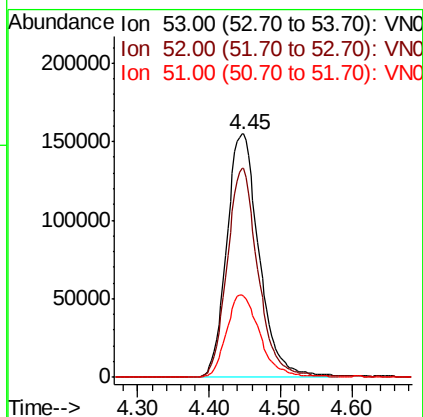
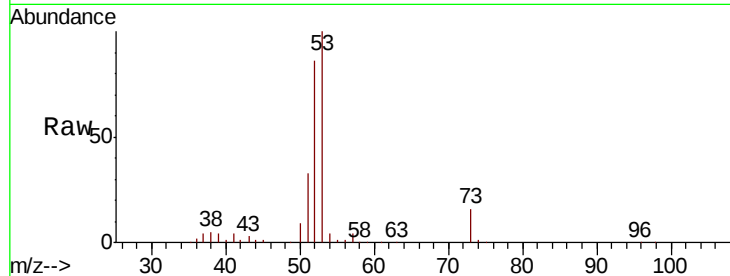




#15
 Acrylonitrile
 Concen: 111.914 ug/l
 RT: 4.45 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

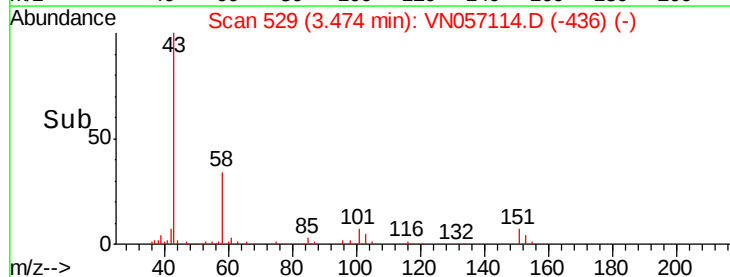
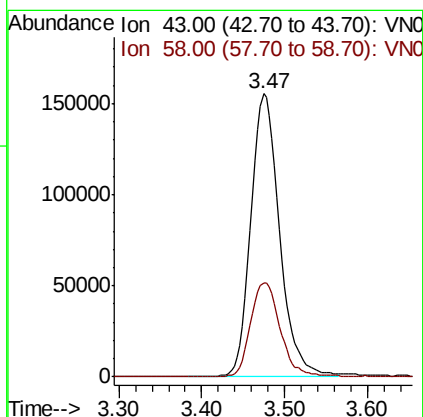
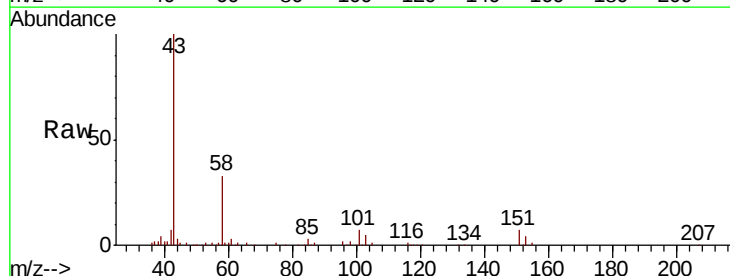
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

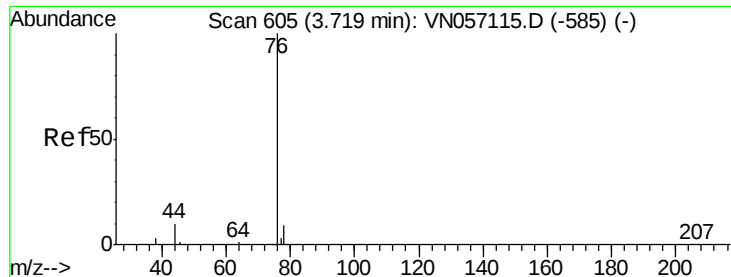
Tgt Ion: 53 Resp: 491018
 Ion Ratio Lower Upper
 53 100
 52 81.5 64.9 97.3
 51 34.8 27.8 41.6



#16
 Acetone
 Concen: 98.644 ug/l
 RT: 3.47 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 43 Resp: 374574
 Ion Ratio Lower Upper
 43 100
 58 33.3 27.4 41.2

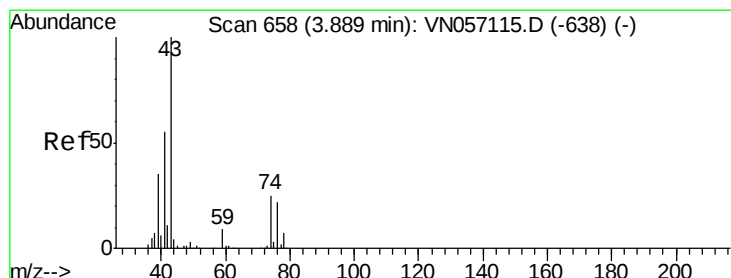
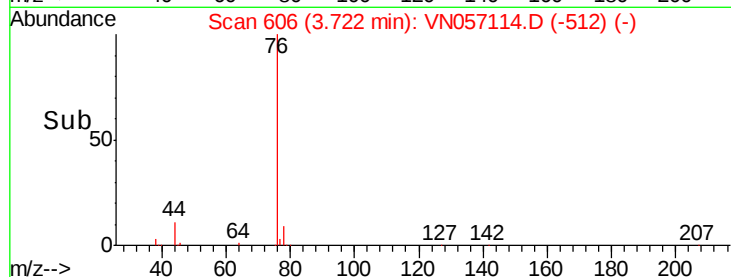
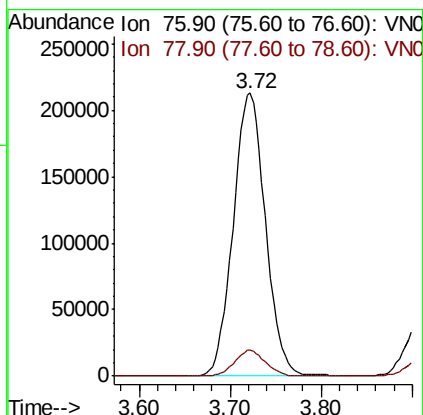
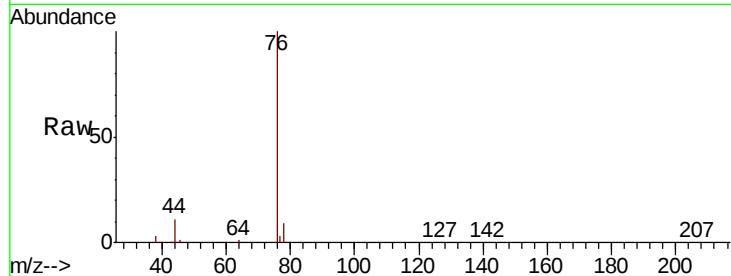




#17
Carbon Disulfide
Concen: 20.491 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

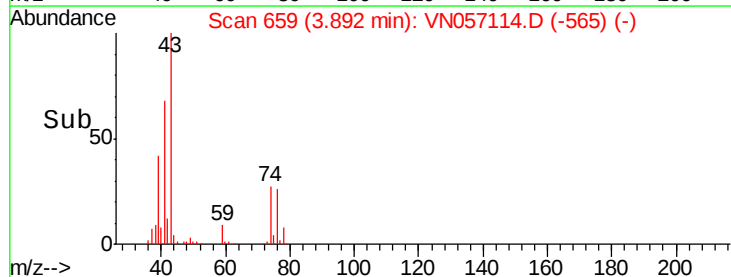
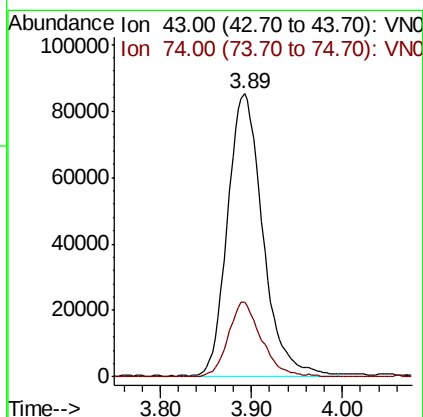
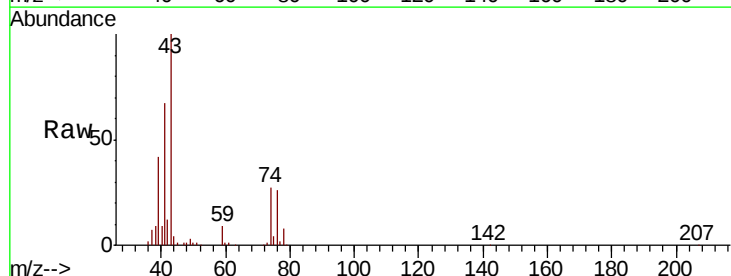
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

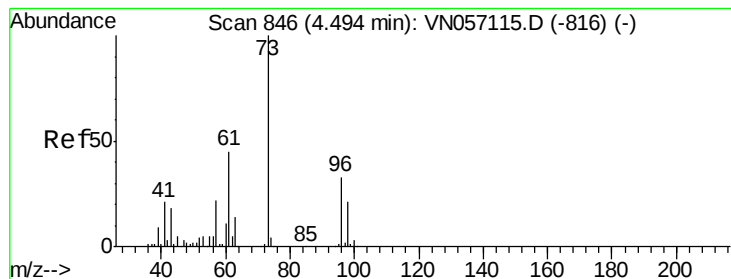
Tgt Ion: 76 Resp: 523741
Ion Ratio Lower Upper
76 100
78 9.1 7.0 10.6



#18
Methyl Acetate
Concen: 17.358 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion: 43 Resp: 228069
Ion Ratio Lower Upper
43 100
74 25.0 20.2 30.4



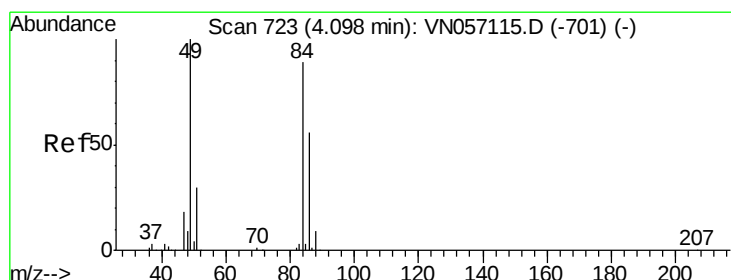
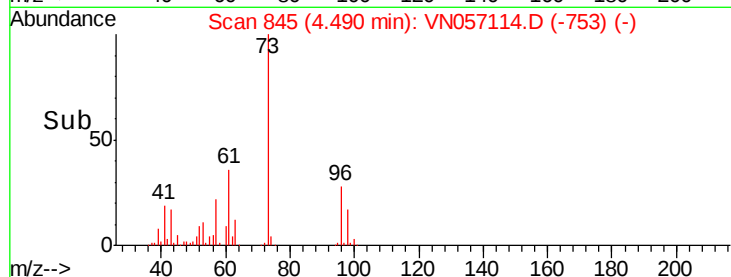
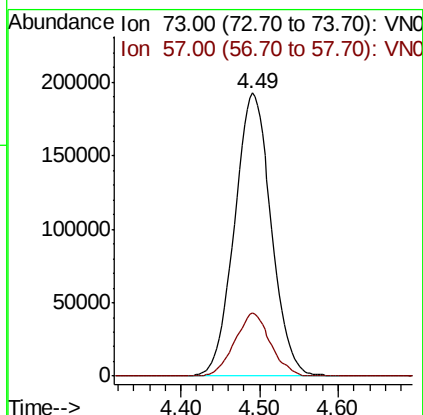
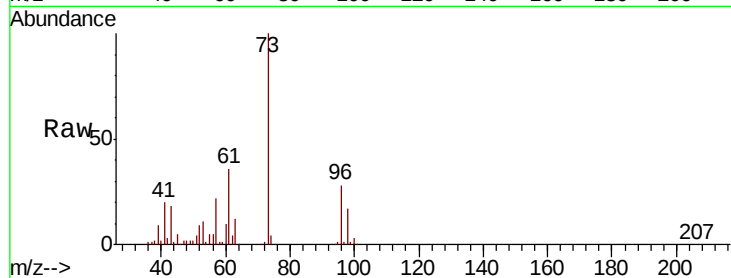


#19

Methyl tert-butyl Ether
 Concen: 20.571 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

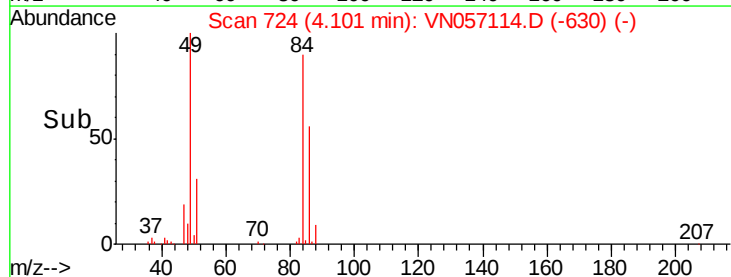
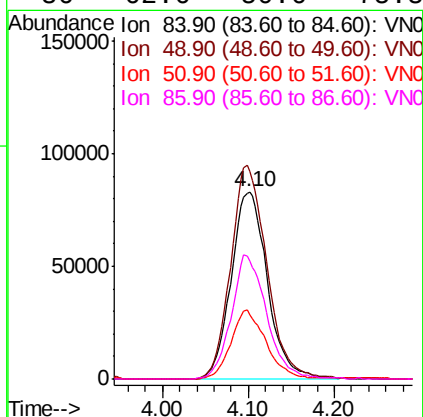
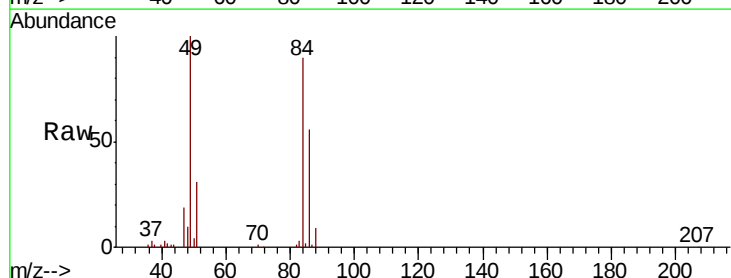
Tgt Ion: 73 Resp: 629365
 Ion Ratio Lower Upper
 73 100
 57 22.5 18.0 27.0

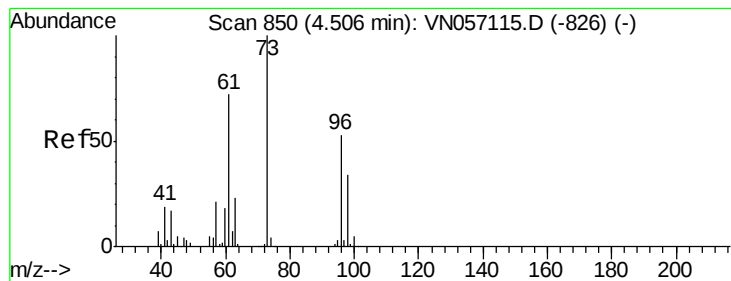


#20

Methylene Chloride
 Concen: 20.274 ug/l
 RT: 4.10 min Scan# 724
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 84 Resp: 243285
 Ion Ratio Lower Upper
 84 100
 49 111.1 89.5 134.3
 51 34.4 27.2 40.8
 86 62.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.076 ug/l

RT: 4.51 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

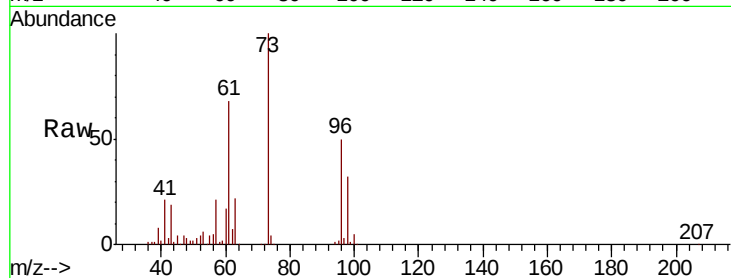
Tgt Ion: 96 Resp: 220987

Ion Ratio Lower Upper

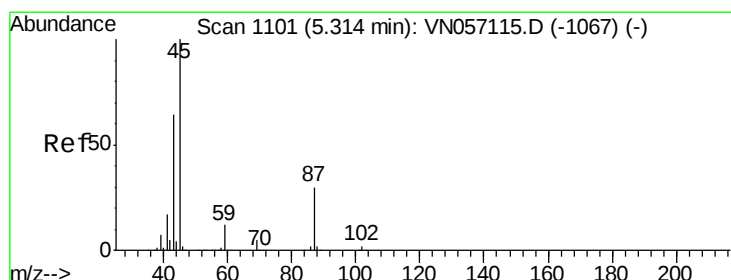
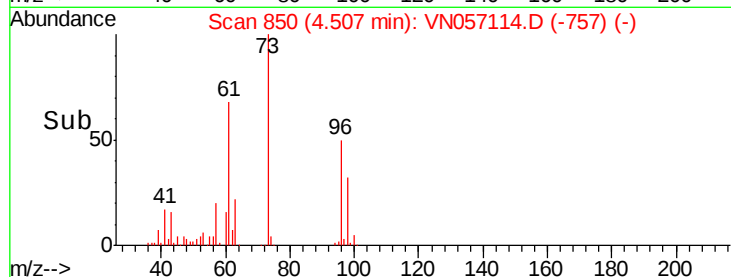
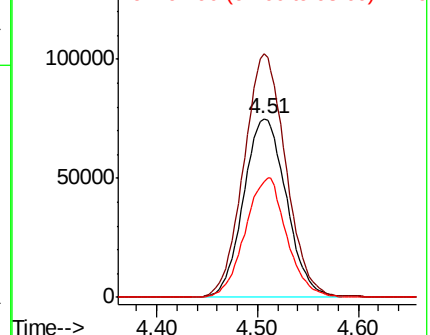
96 100

61 136.2 108.1 162.1

98 64.6 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: 20.255 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Tgt Ion: 45 Resp: 667147

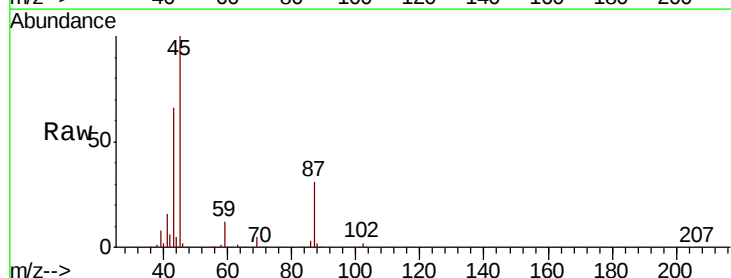
Ion Ratio Lower Upper

45 100

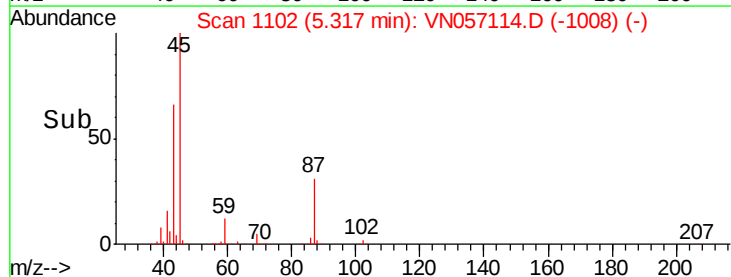
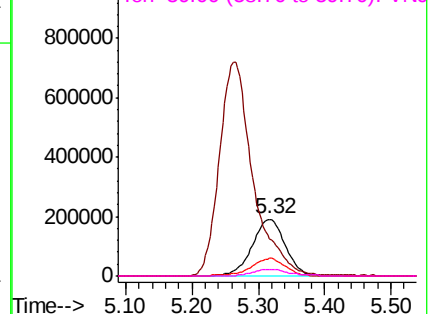
43 65.0 54.1 81.1

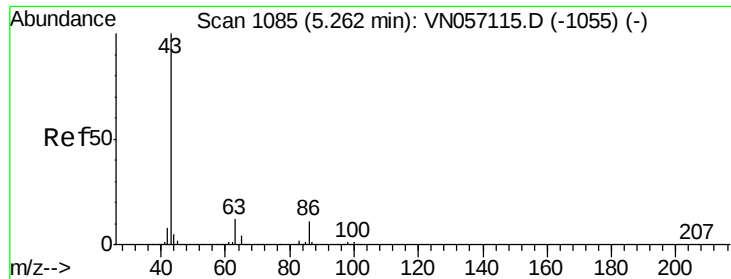
87 30.4 24.0 36.0

59 12.1 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

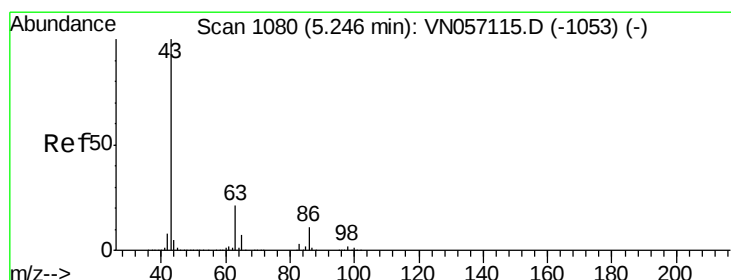
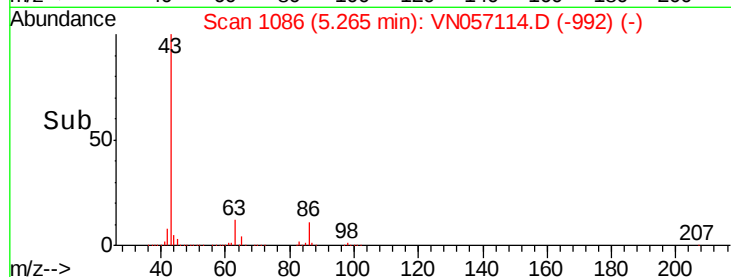
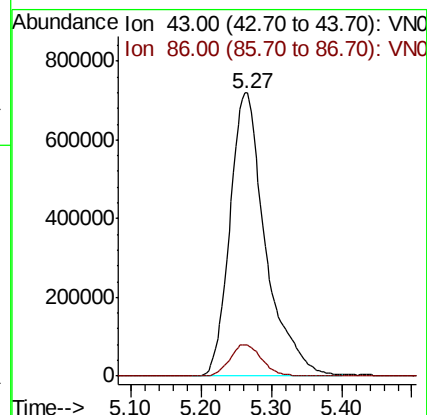
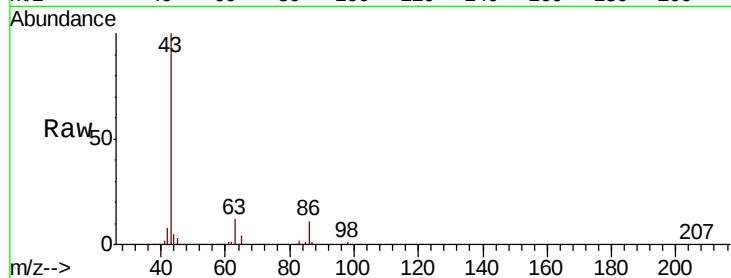




#23
 Vinyl Acetate
 Concen: 103.039 ug/l
 RT: 5.27 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

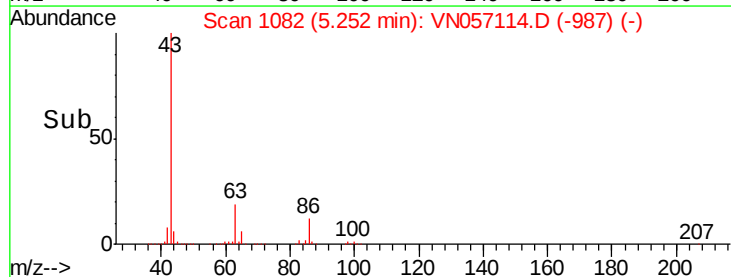
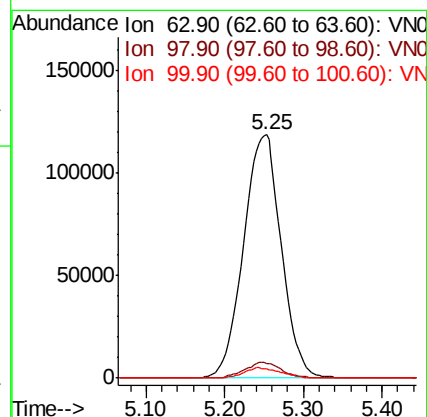
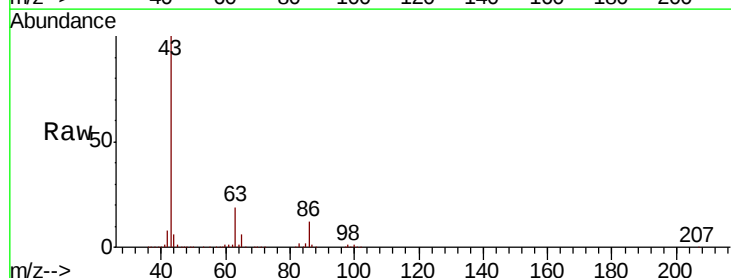
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

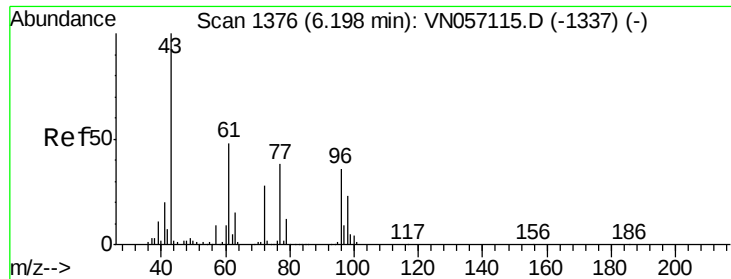
Tgt Ion: 43 Resp: 2534355
 Ion Ratio Lower Upper
 43 100
 86 10.9 9.2 13.8



#24
 1,1-Dichloroethane
 Concen: 19.794 ug/l
 RT: 5.25 min Scan# 1082
 Delta R.T. 0.01 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 63 Resp: 401340
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.8 11.2
 100 3.7 2.1 6.3

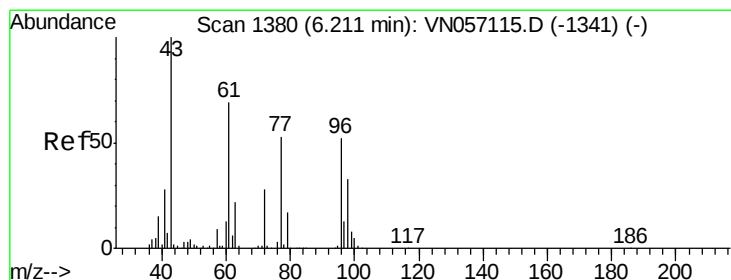
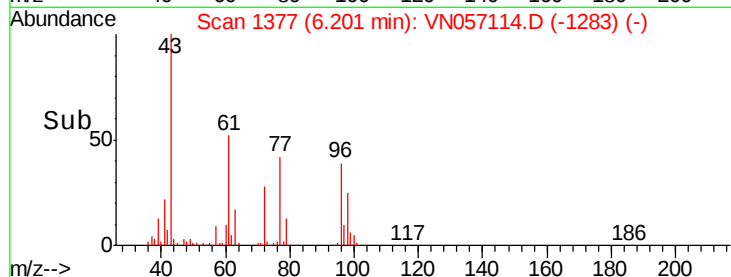
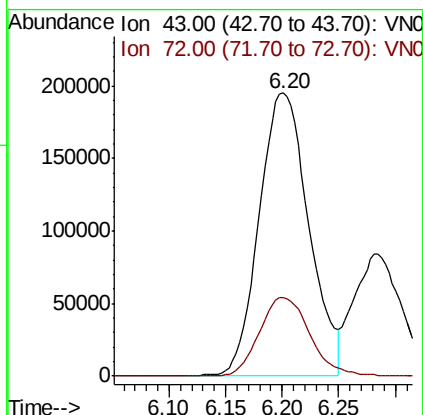
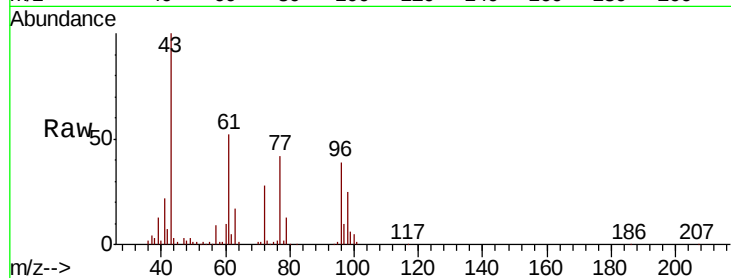




#25
2-Butanone
Concen: 109.123 ug/l
RT: 6.20 min Scan# 1377
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

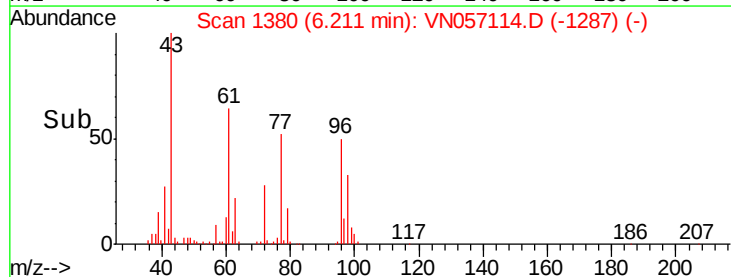
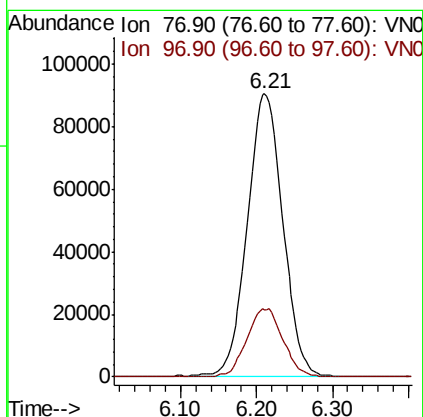
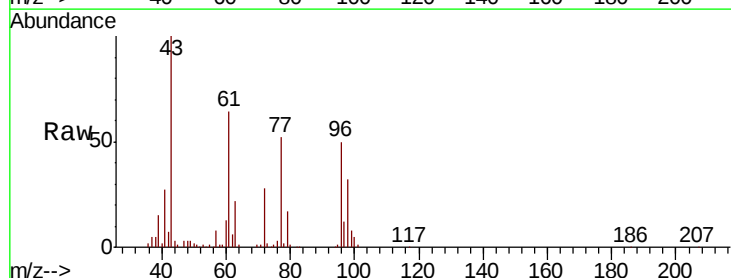
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

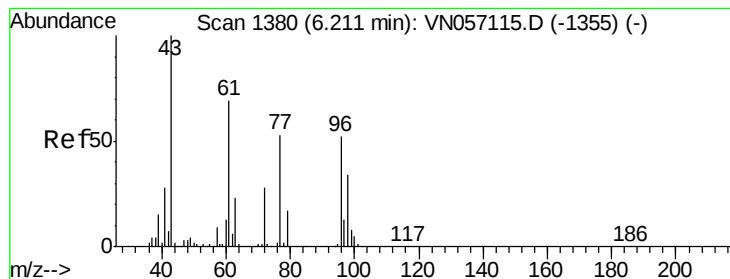
Tgt Ion: 43 Resp: 591074
Ion Ratio Lower Upper
43 100
72 27.9 22.2 33.4



#26
2,2-Dichloropropane
Concen: 19.100 ug/l
RT: 6.21 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion: 77 Resp: 295206
Ion Ratio Lower Upper
77 100
97 24.5 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 20.196 ug/l

RT: 6.21 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

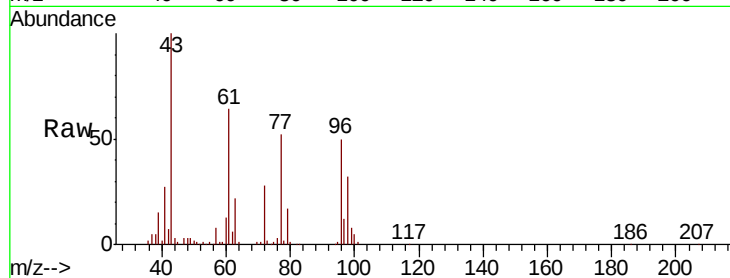
Tgt Ion: 96 Resp: 259521

Ion Ratio Lower Upper

96 100

61 137.0 0.0 273.4

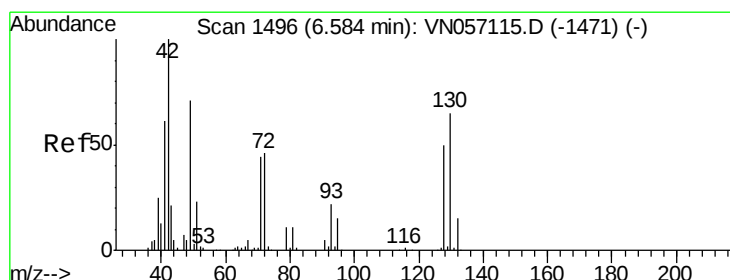
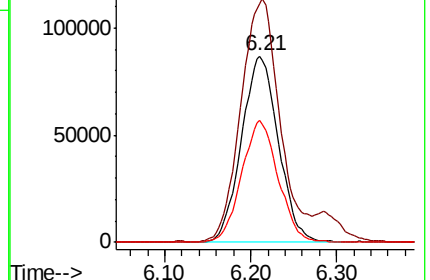
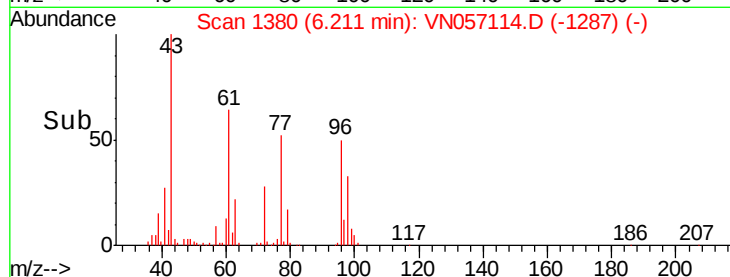
98 64.7 0.0 130.4



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: 22.153 ug/l

RT: 6.59 min Scan# 1497

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

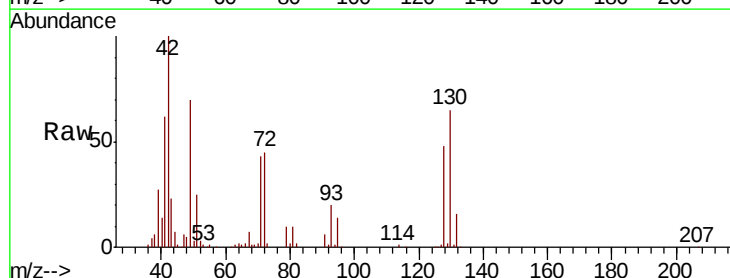
Tgt Ion: 49 Resp: 198752

Ion Ratio Lower Upper

49 100

129 2.7 0.0 4.8

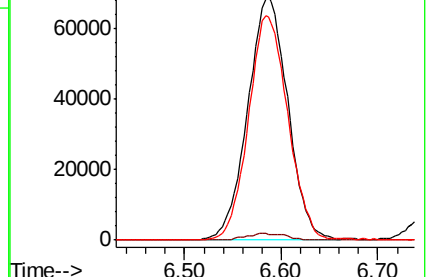
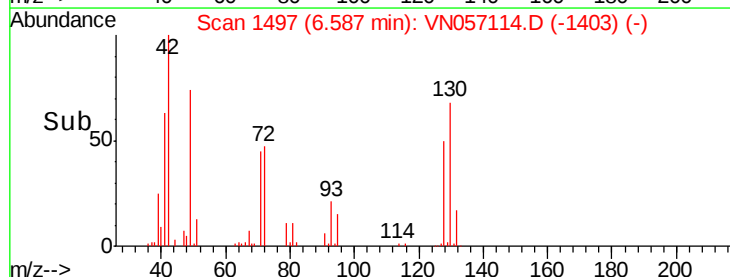
130 90.3 73.8 110.8

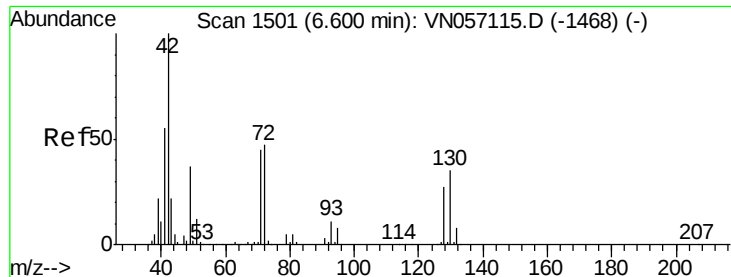


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 112.606 ug/l

RT: 6.60 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

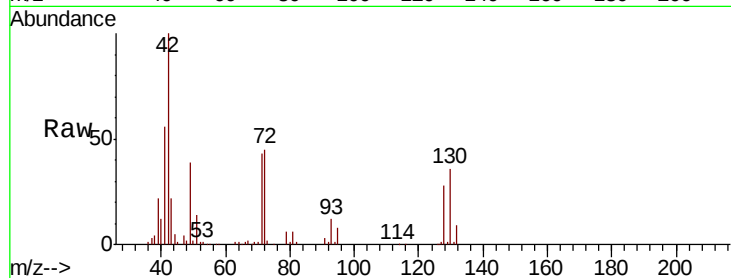
Tgt Ion: 42 Resp: 396812

Ion Ratio Lower Upper

42 100

72 45.8 37.1 55.7

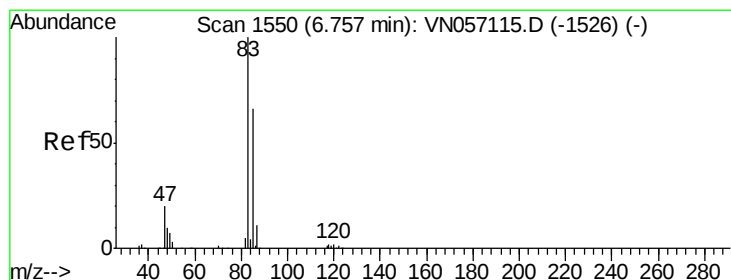
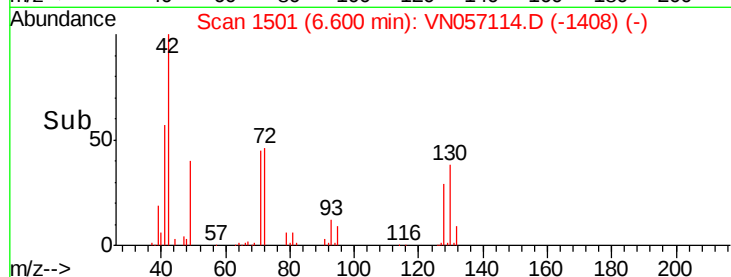
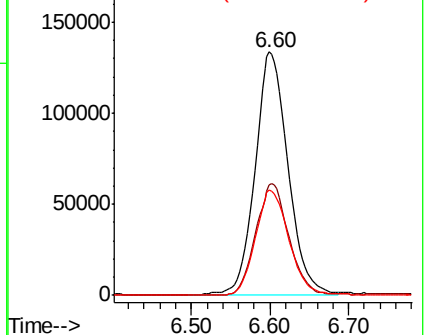
71 43.7 34.8 52.2



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.016 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VN057114.D

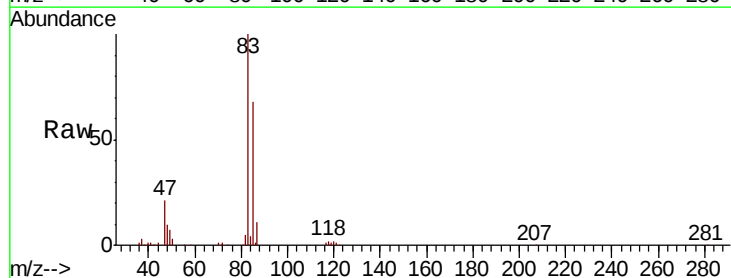
Acq: 7 Aug 2019 19:43

Tgt Ion: 83 Resp: 406758

Ion Ratio Lower Upper

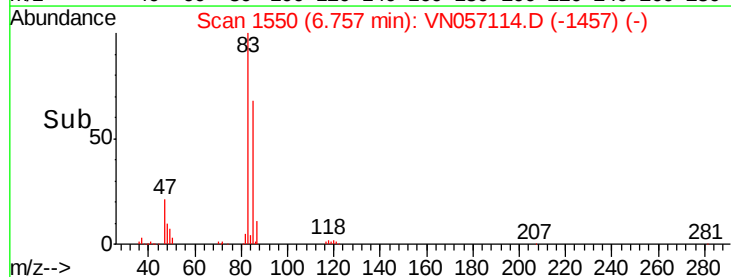
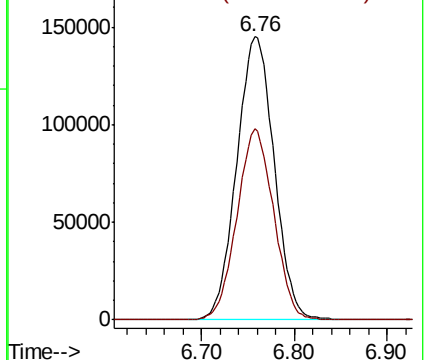
83 100

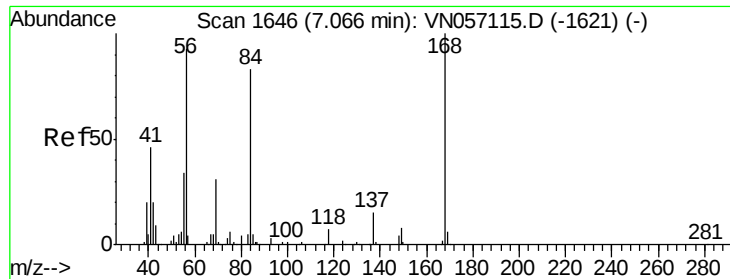
85 67.6 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 19.821 ug/l

RT: 7.07 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

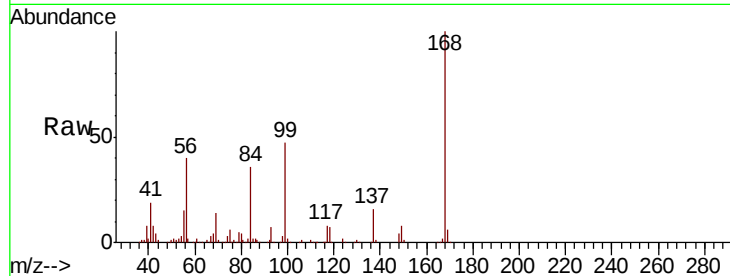
Tgt Ion: 56 Resp: 355785

Ion Ratio Lower Upper

56 100

69 35.9 26.9 40.3

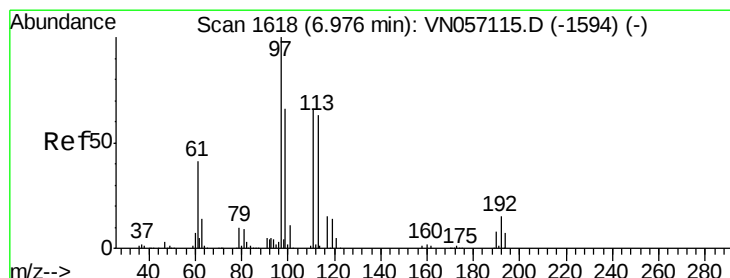
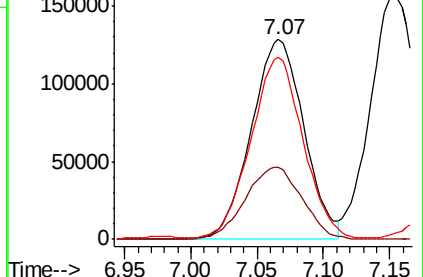
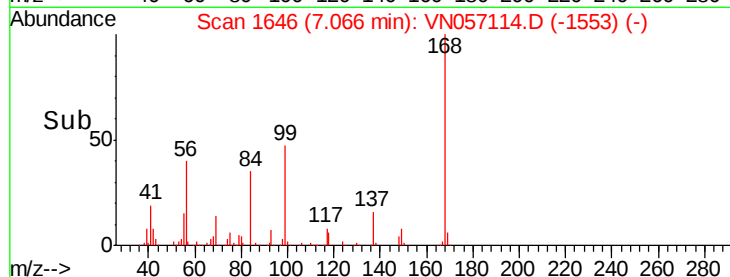
84 90.5 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VN057114.D (-1621) (-)

Ion 69.00 (68.70 to 69.70): VN057114.D (-1621) (-)

Ion 84.00 (83.70 to 84.70): VN057114.D (-1621) (-)



#32

1,1,1-Trichloroethane

Concen: 20.416 ug/l

RT: 6.98 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

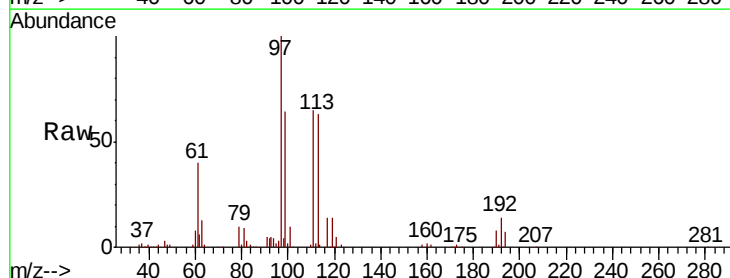
Tgt Ion: 97 Resp: 345910

Ion Ratio Lower Upper

97 100

99 62.8 51.8 77.6

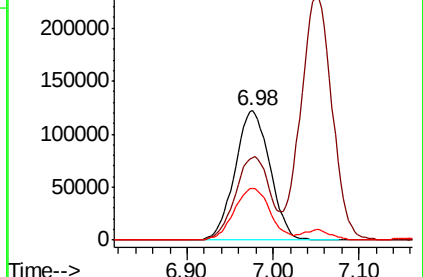
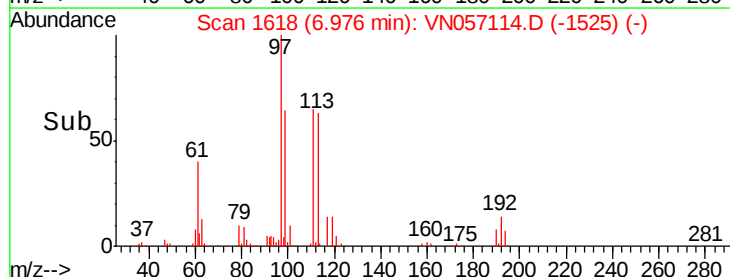
61 41.2 32.7 49.1

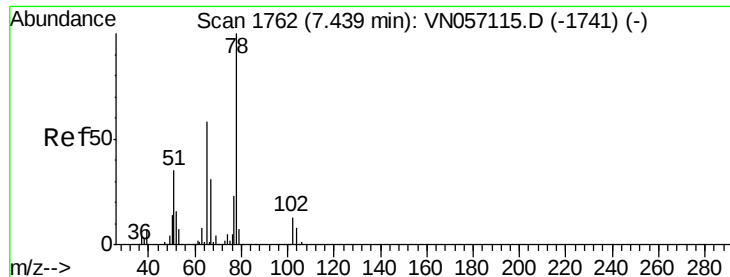


Abundance Ion 96.90 (96.60 to 97.60): VN057114.D (-1594) (-)

Ion 98.90 (98.60 to 99.60): VN057114.D (-1594) (-)

Ion 60.90 (60.60 to 61.60): VN057114.D (-1594) (-)





#33

1,2-Dichloroethane-d4

Concen: 20.952 ug/l

RT: 7.44 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

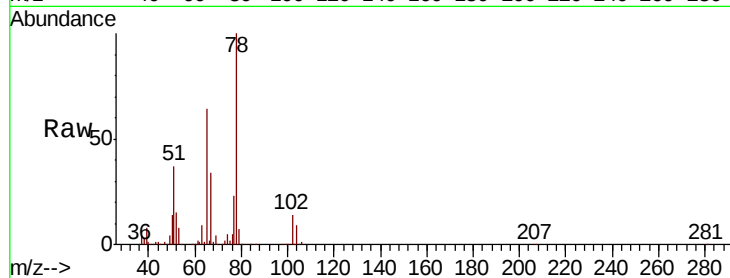
VSTDIC020

Tgt Ion: 65 Resp: 259816

Ion Ratio Lower Upper

65 100

67 53.8 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN057114.D (-1669) (-)

Ion 66.90 (66.60 to 67.60): VN057114.D (-1669) (-)

7.44

120000

100000

80000

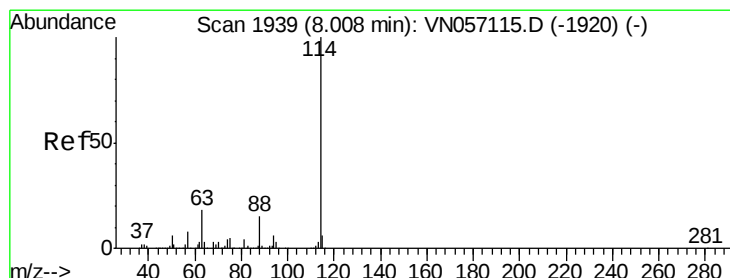
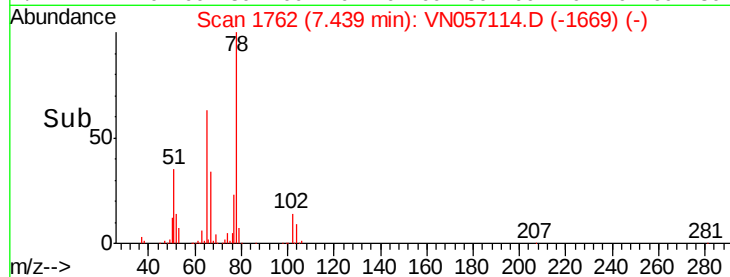
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

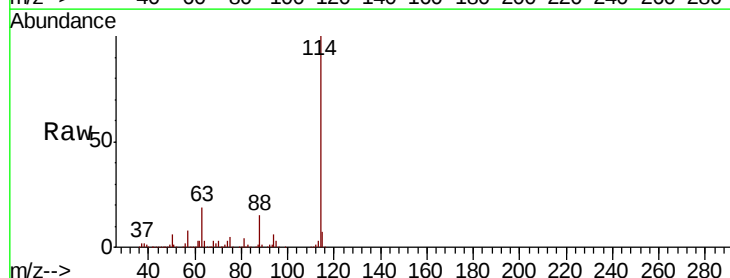
Tgt Ion: 114 Resp: 1765475

Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.2

88 15.0 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): VN057114.D (-1846) (-)

Ion 63.00 (62.70 to 63.70): VN057114.D (-1846) (-)

Ion 87.90 (87.60 to 88.60): VN057114.D (-1846) (-)

8.01

1000000

800000

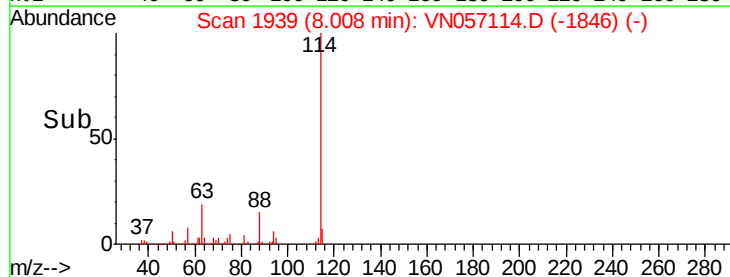
600000

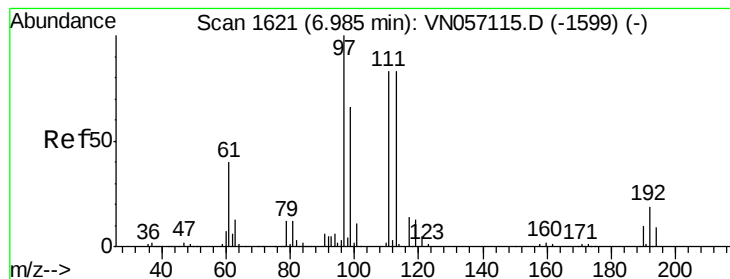
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 21.122 ug/l

RT: 6.99 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

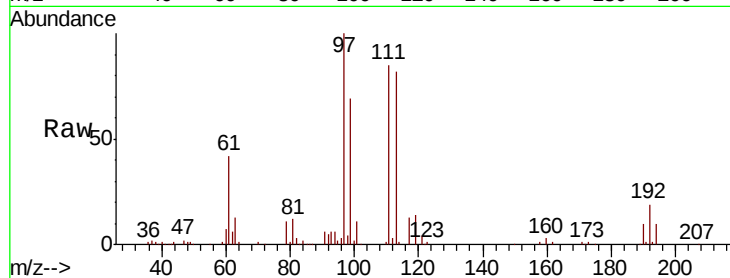
Tgt Ion: 113 Resp: 234812

Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

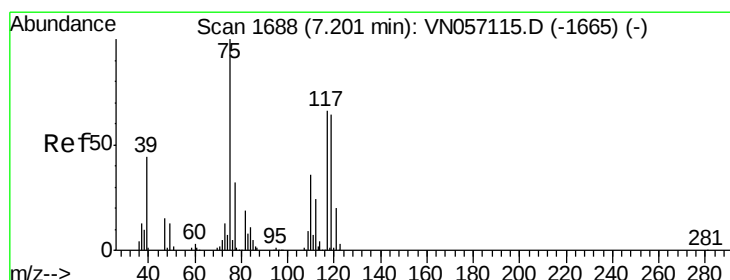
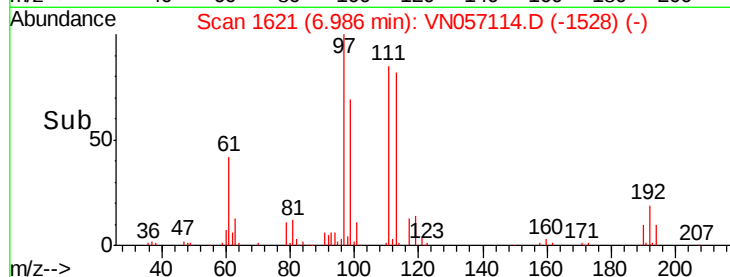
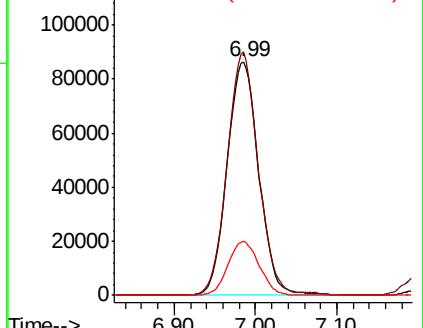
192 22.7 19.0 28.4



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: 19.524 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

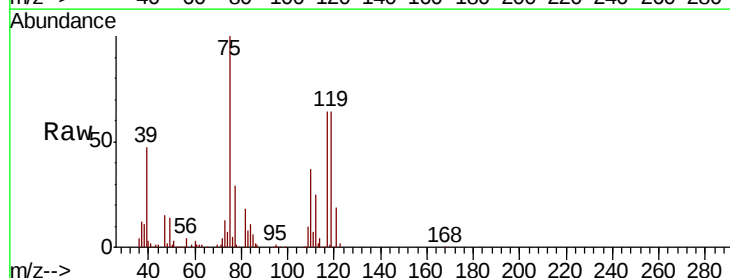
Tgt Ion: 75 Resp: 299404

Ion Ratio Lower Upper

75 100

110 36.5 18.7 56.1

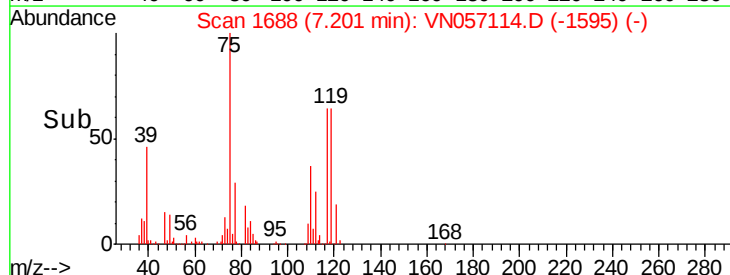
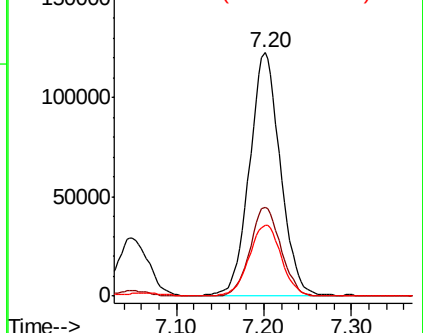
77 30.6 25.0 37.4

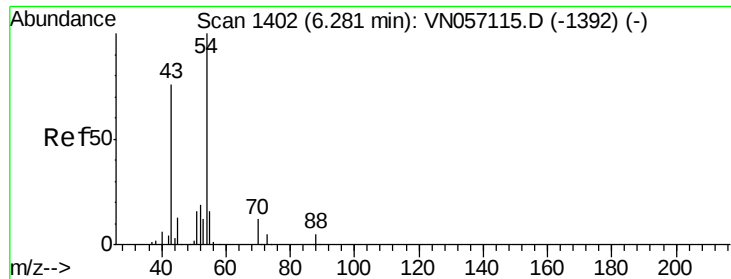


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

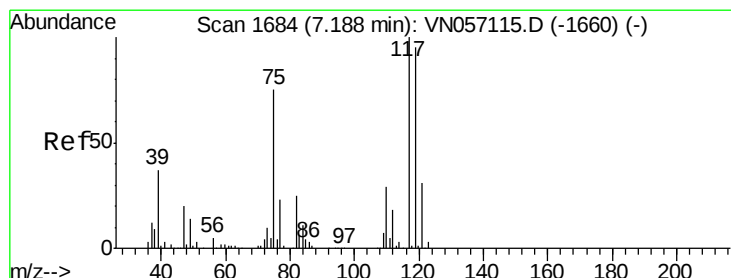
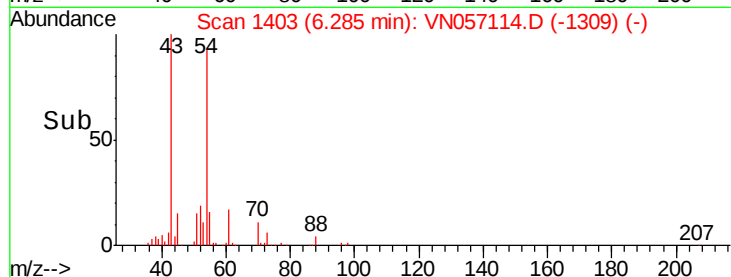
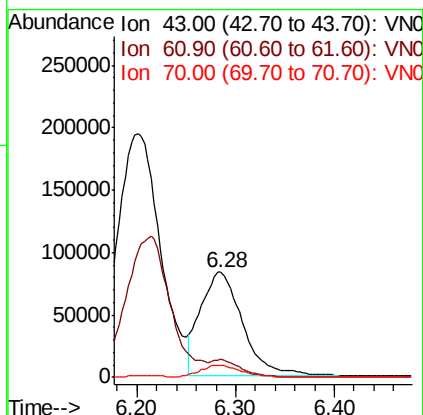
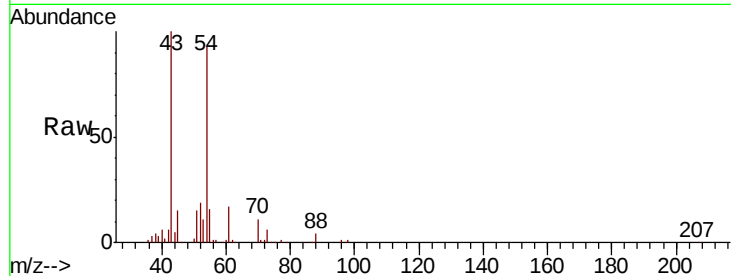




#37
 Ethyl Acetate
 Concen: 21.203 ug/l
 RT: 6.28 min Scan# 1403
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

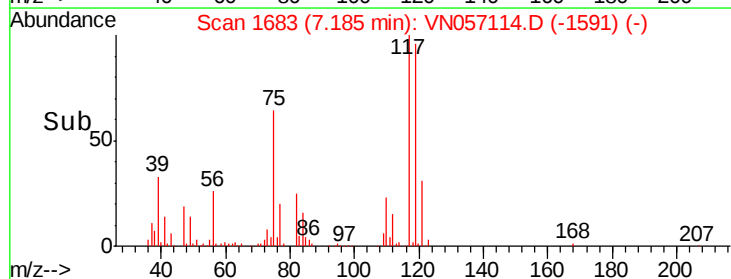
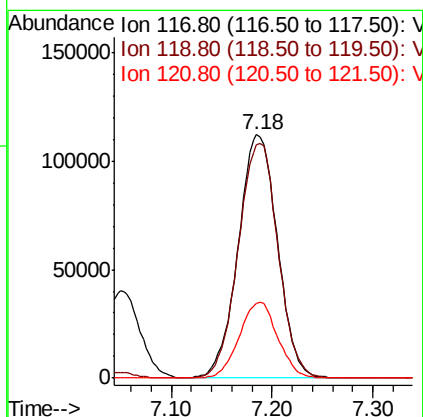
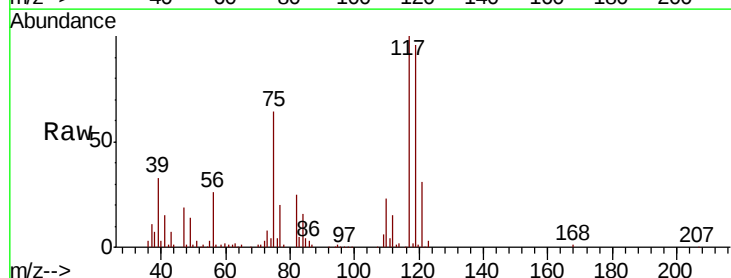
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

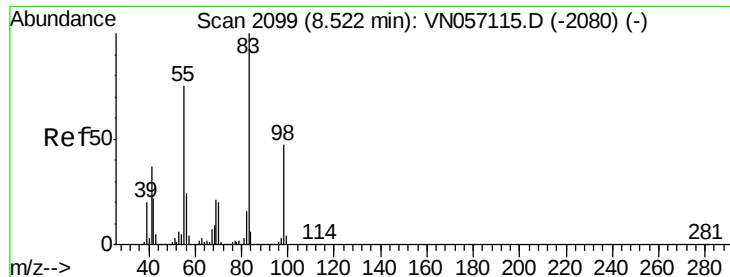
Tgt Ion: 43 Resp: 247871
 Ion Ratio Lower Upper
 43 100
 61 0.0 0.0 0.0
 70 11.5 9.1 13.7



#38
 Carbon Tetrachloride
 Concen: 20.514 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 117 Resp: 303090
 Ion Ratio Lower Upper
 117 100
 119 95.8 75.8 113.6
 121 30.8 24.4 36.6

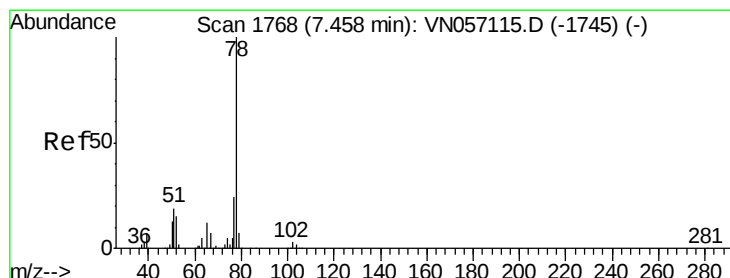
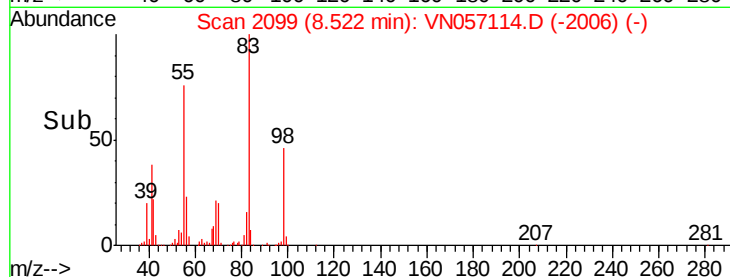
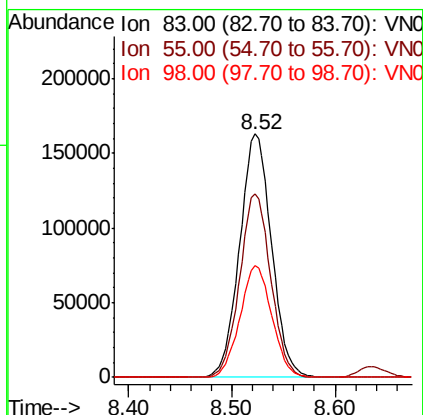
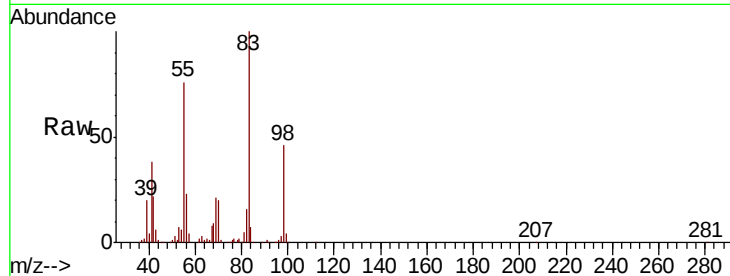




#39
Methylcyclohexane
Concen: 19.712 ug/l
RT: 8.52 min Scan# 2099
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

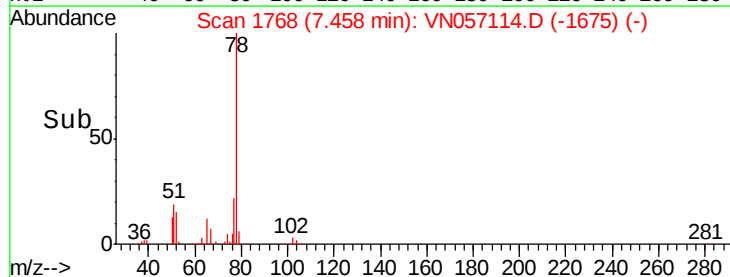
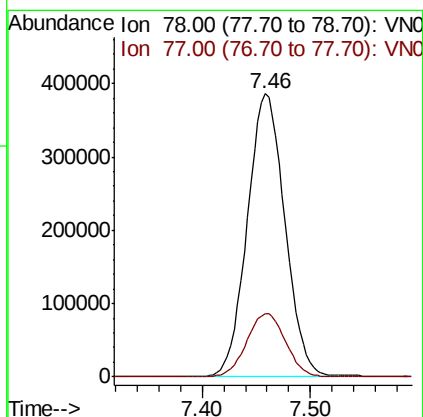
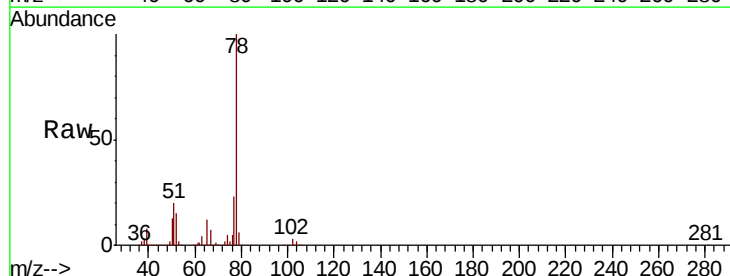
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

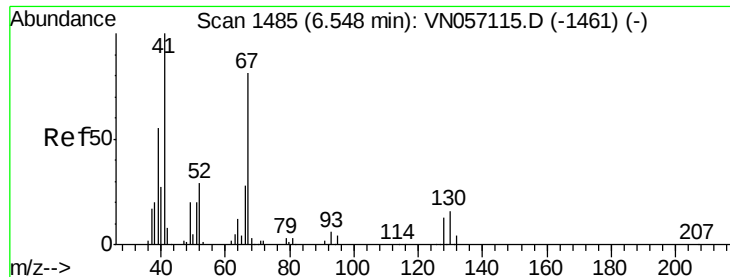
Tgt Ion: 83 Resp: 349874
Ion Ratio Lower Upper
83 100
55 75.6 60.3 90.5
98 45.8 37.9 56.9



#40
Benzene
Concen: 19.761 ug/l
RT: 7.46 min Scan# 1768
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion: 78 Resp: 935316
Ion Ratio Lower Upper
78 100
77 22.6 19.2 28.8





#41

Methacrylonitrile

Concen: 25.365 ug/l

RT: 6.55 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 124765

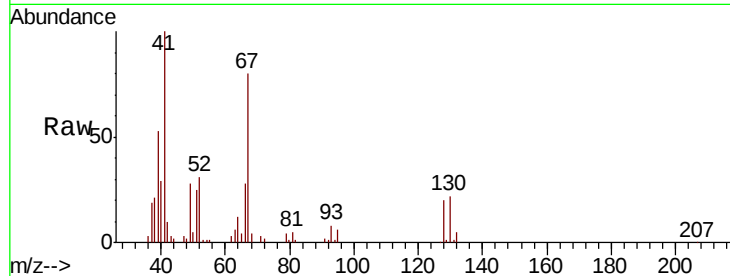
Ion Ratio Lower Upper

41 100

39 58.6 44.9 67.3

67 88.0 69.1 103.7

52 36.0 25.8 38.6

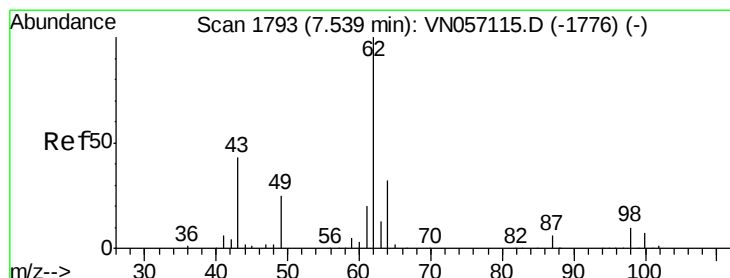
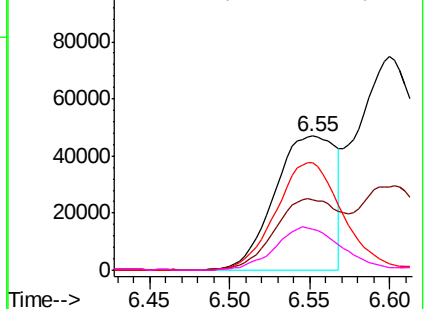
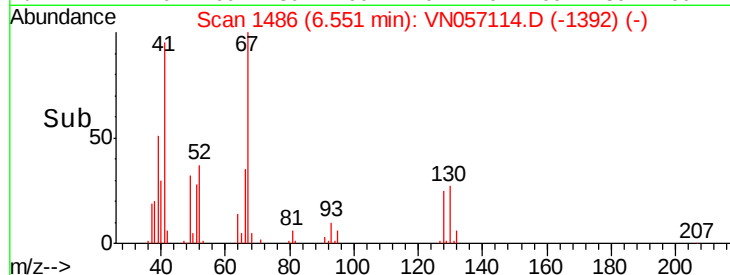


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.962 ug/l

RT: 7.54 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VN057114.D

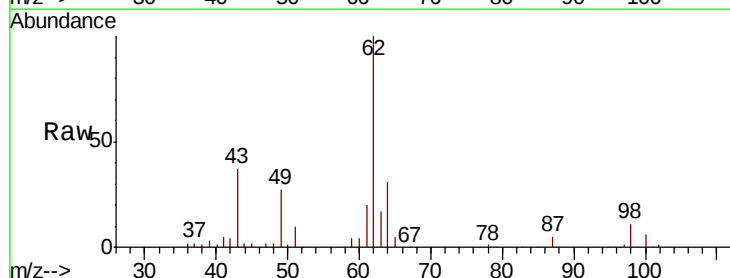
Acq: 7 Aug 2019 19:43

Tgt Ion: 62 Resp: 295780

Ion Ratio Lower Upper

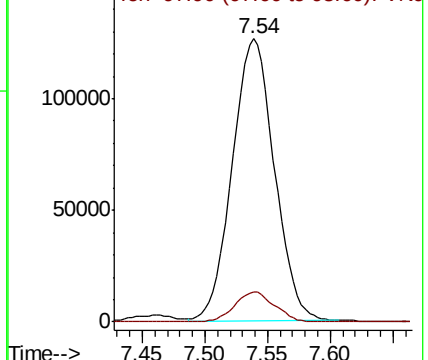
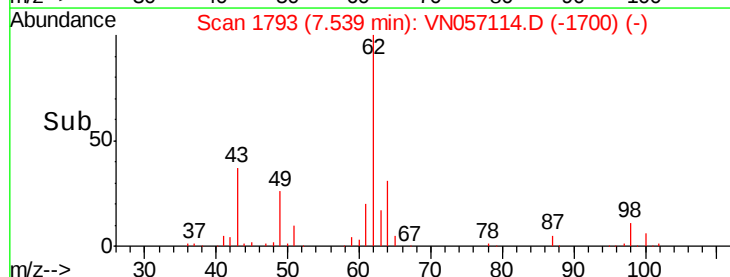
62 100

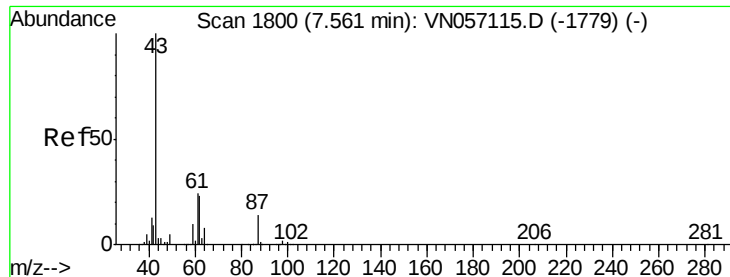
98 10.1 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.452 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

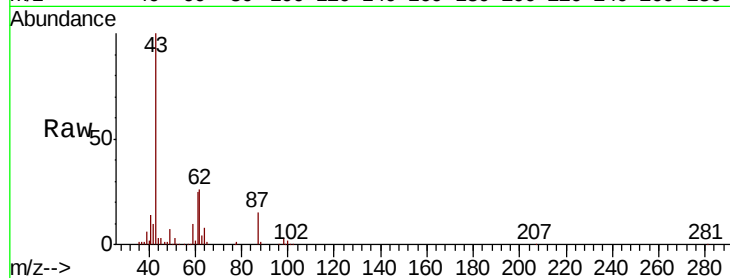
Tgt Ion: 43 Resp: 414729

Ion Ratio Lower Upper

43 100

61 28.7 24.2 36.2

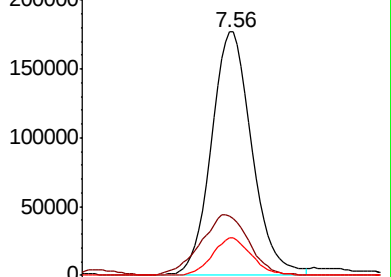
87 14.9 11.8 17.8



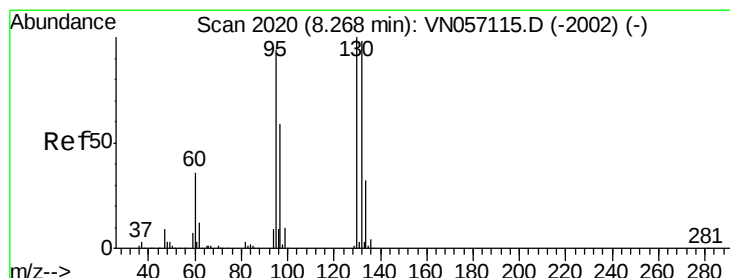
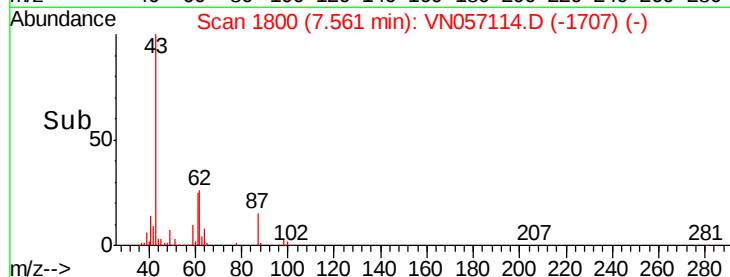
Abundance Ion 43.00 (42.70 to 43.70): VN057114.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057114.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057114.D (-1779) (-)



Time-->



#44

Trichloroethene

Concen: 20.268 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. 0.00 min

Lab File: VN057114.D

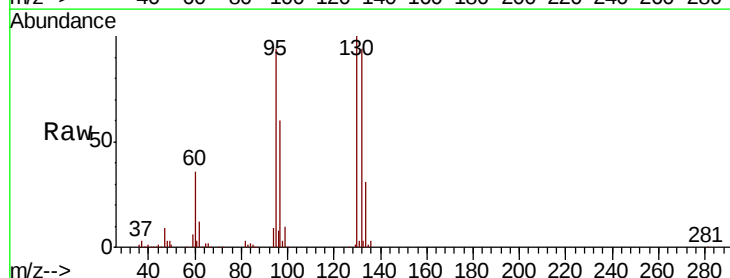
Acq: 7 Aug 2019 19:43

Tgt Ion: 130 Resp: 262097

Ion Ratio Lower Upper

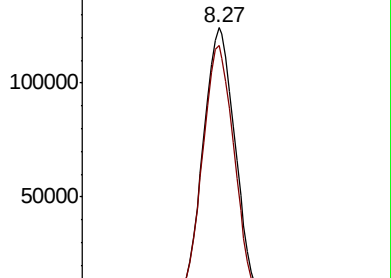
130 100

95 93.7 0.0 187.4

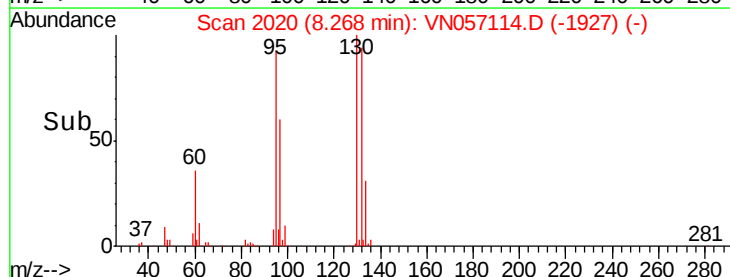


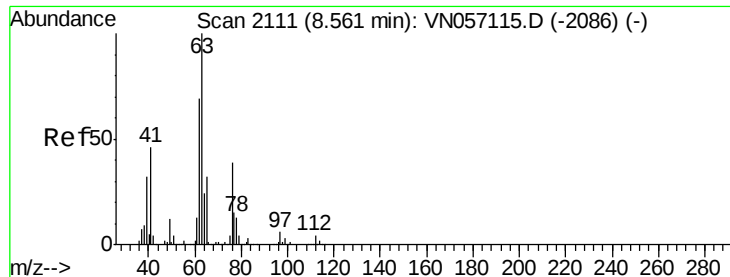
Abundance Ion 129.80 (129.50 to 130.50): VN057114.D (-1927) (-)

Ion 94.90 (94.60 to 95.60): VN057114.D (-1927) (-)



Time-->

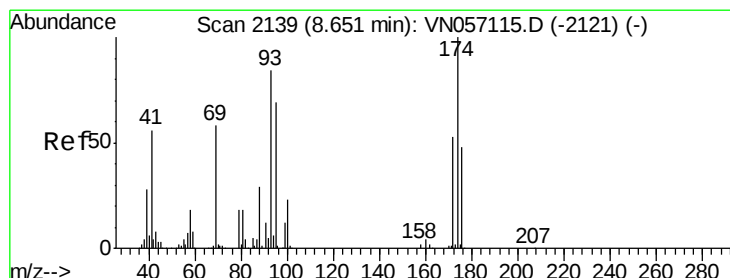
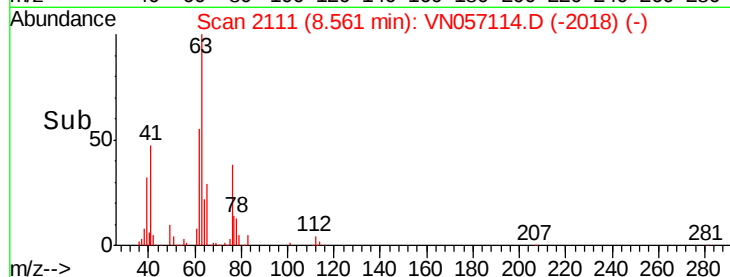
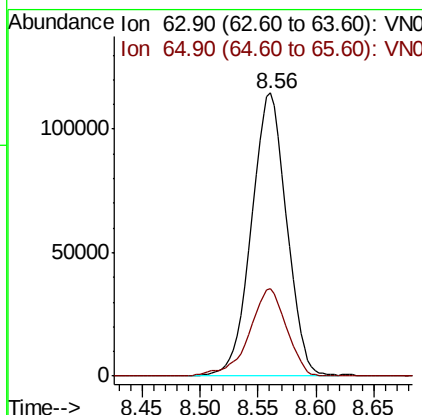
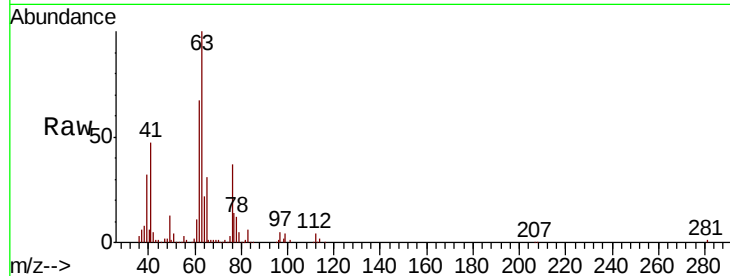




#45
 1,2-Dichloropropane
 Concen: 19.816 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

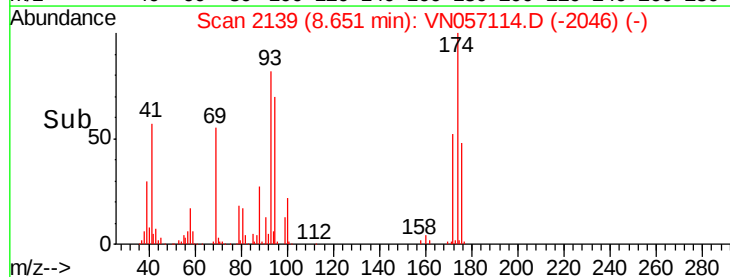
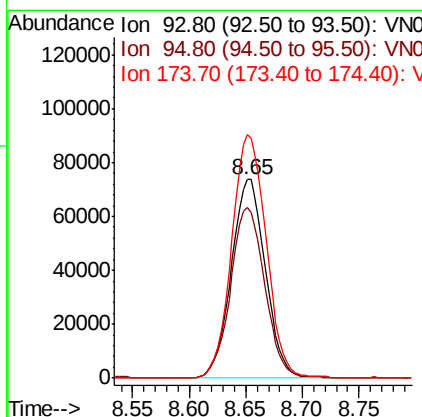
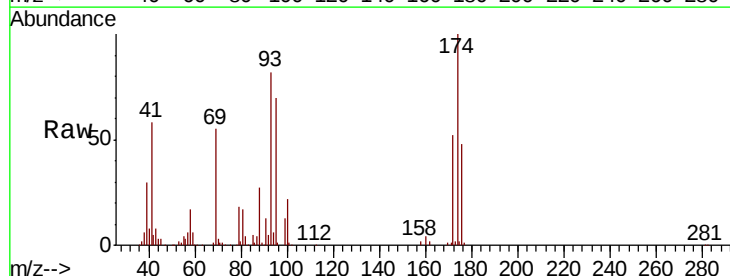
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

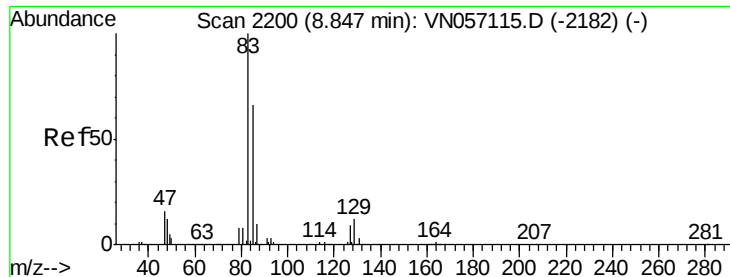
Tgt Ion: 63 Resp: 242546
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.2 37.8



#46
 Dibromomethane
 Concen: 20.325 ug/l
 RT: 8.65 min Scan# 2139
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 93 Resp: 154913
 Ion Ratio Lower Upper
 93 100
 95 85.9 66.0 99.0
 174 123.6 96.0 144.0





#47

Bromodichloromethane

Concen: 20.599 ug/l

RT: 8.85 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

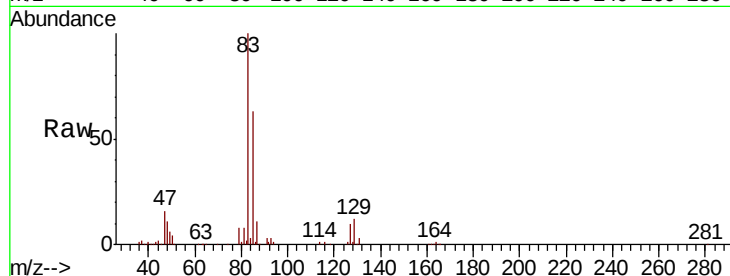
Tgt Ion: 83 Resp: 301186

Ion Ratio Lower Upper

83 100

85 63.4 52.6 78.8

127 9.9 7.5 11.3

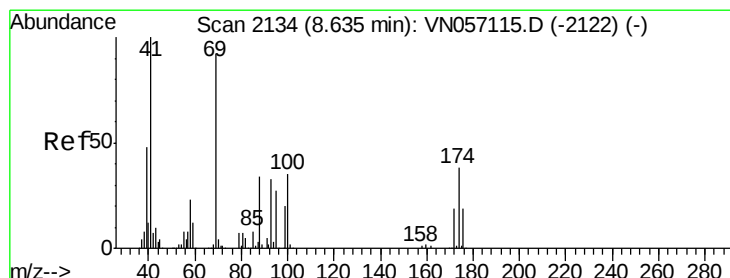
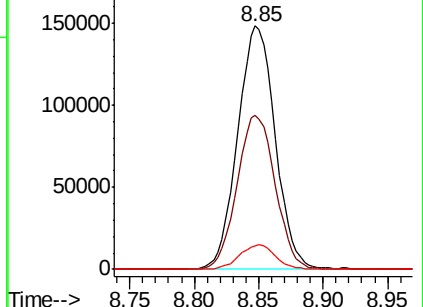
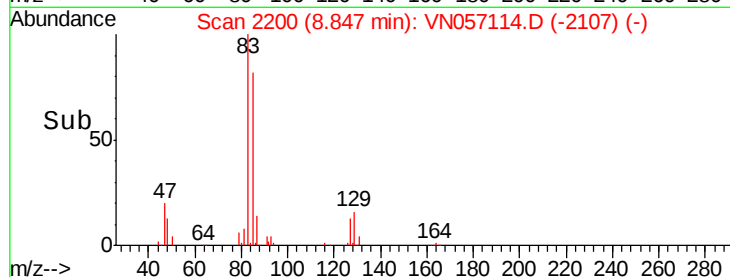


Abundance Ion 82.90 (82.60 to 83.60): VN057114.D (-2182) (-)

Ion 84.90 (84.60 to 85.60): VN057114.D (-2182) (-)

Ion 126.80 (126.50 to 127.50): VN057114.D (-2182) (-)

Time-->



#48

Methyl methacrylate

Concen: 20.319 ug/l

RT: 8.63 min Scan# 2134

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

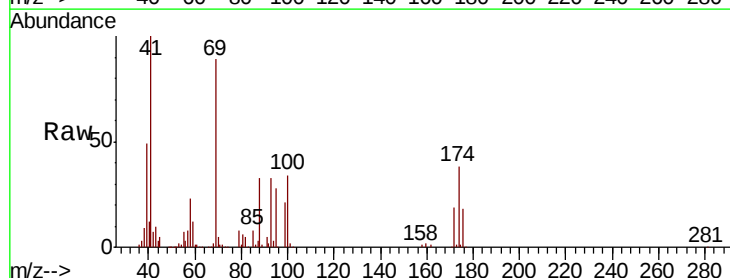
Tgt Ion: 41 Resp: 190639

Ion Ratio Lower Upper

41 100

69 97.4 77.5 116.3

39 50.8 39.8 59.6

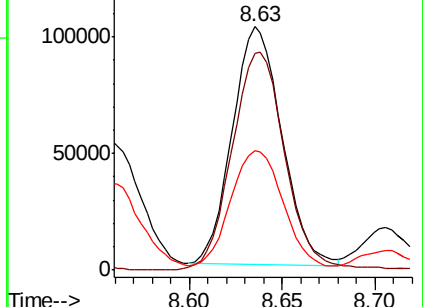
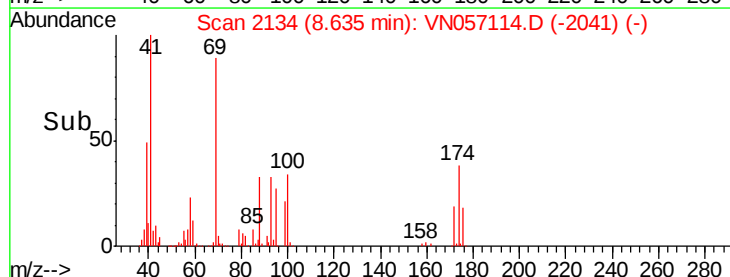


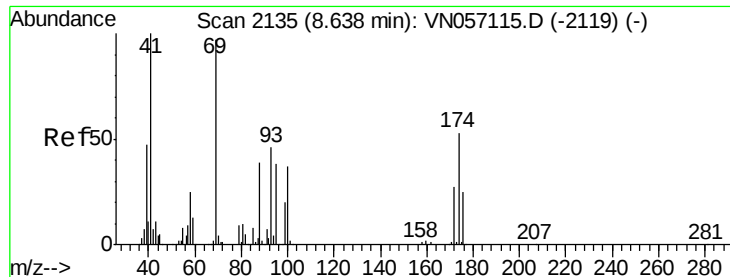
Abundance Ion 41.00 (40.70 to 41.70): VN057114.D (-2041) (-)

Ion 69.00 (68.70 to 69.70): VN057114.D (-2041) (-)

Ion 39.00 (38.70 to 39.70): VN057114.D (-2041) (-)

Time-->

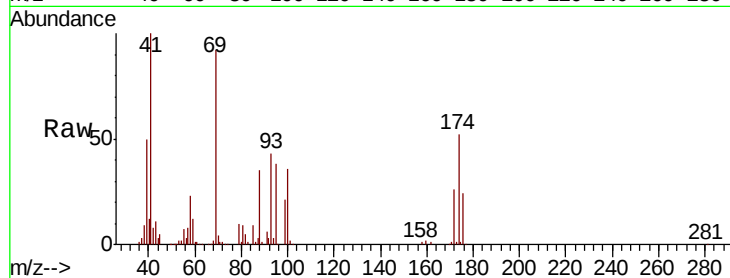




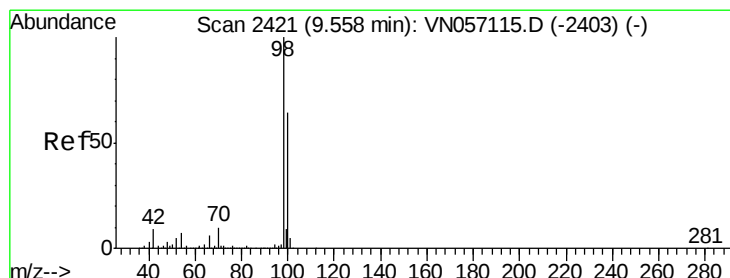
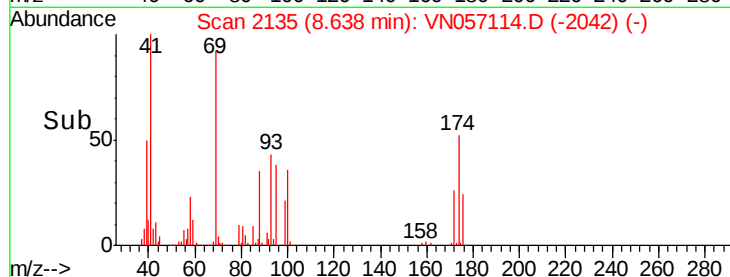
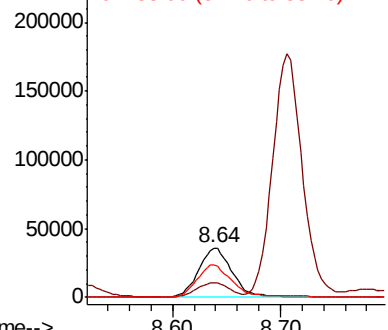
#49
1,4-Dioxane
Concen: 412.046 ug/l
RT: 8.64 min Scan# 2135
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 78550
Ion Ratio Lower Upper
88 100
43 27.7 21.7 32.5
58 66.9 51.1 76.7

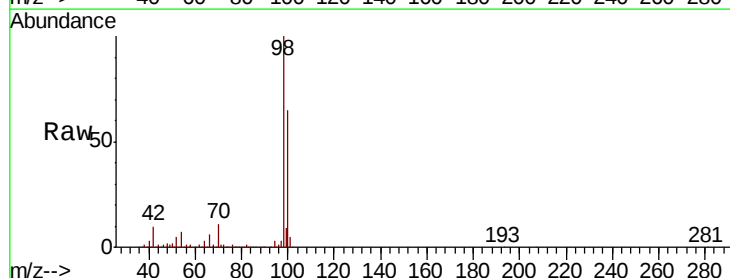


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

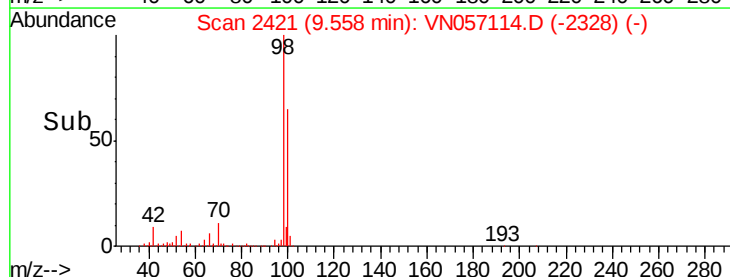
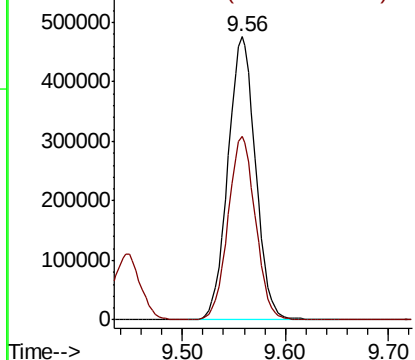


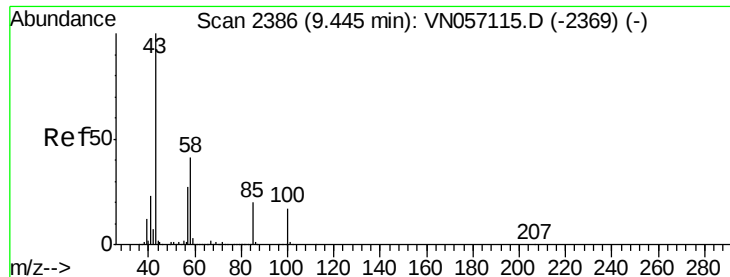
#50
Toluene-d8
Concen: 21.116 ug/l
RT: 9.56 min Scan# 2421
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion: 98 Resp: 885202
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8



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

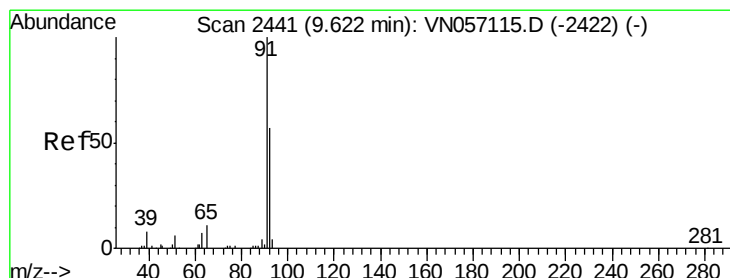
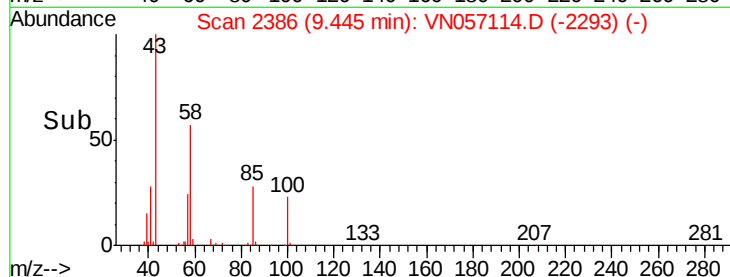
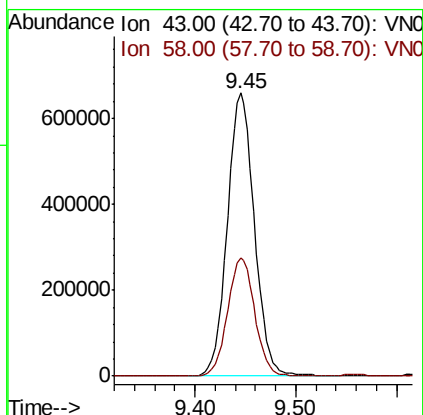
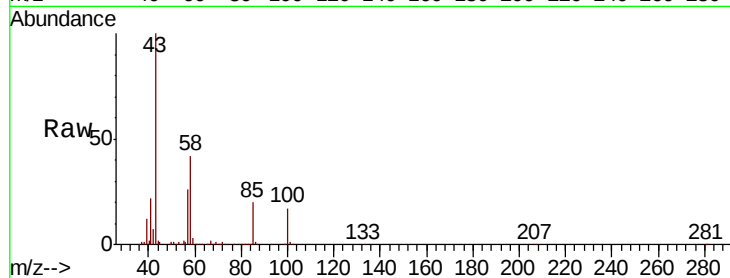




#51
 4-Methyl-2-Pentanone
 Concen: 115.617 ug/l
 RT: 9.45 min Scan# 2386
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

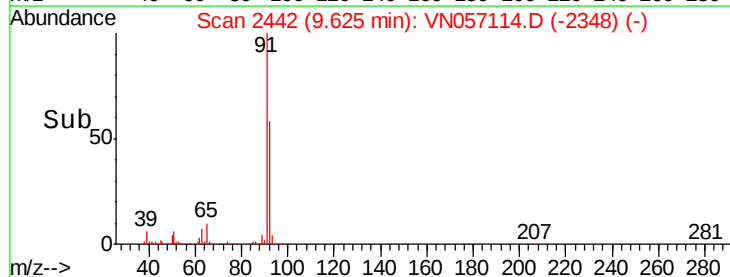
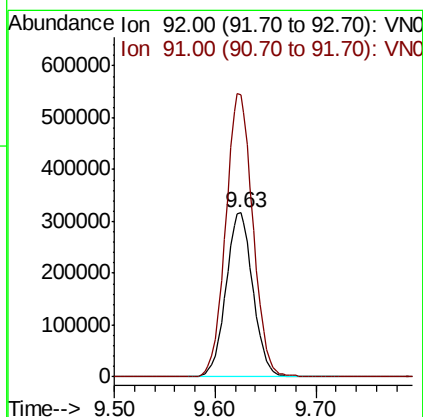
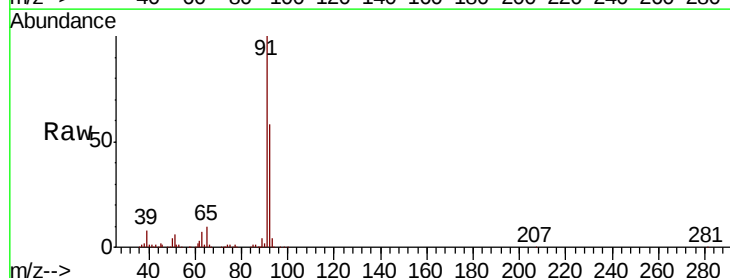
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

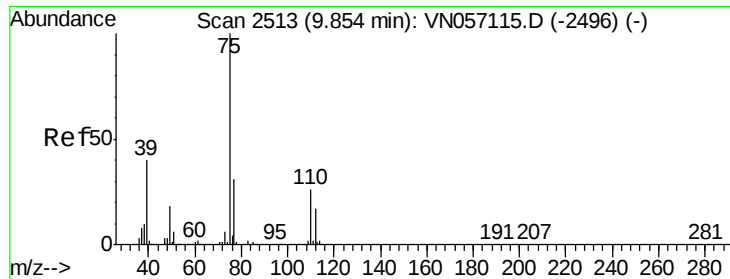
Tgt Ion: 43 Resp: 1231199
 Ion Ratio Lower Upper
 43 100
 58 42.0 33.2 49.8



#52
 Toluene
 Concen: 20.526 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 92 Resp: 589852
 Ion Ratio Lower Upper
 92 100
 91 173.6 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.405 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

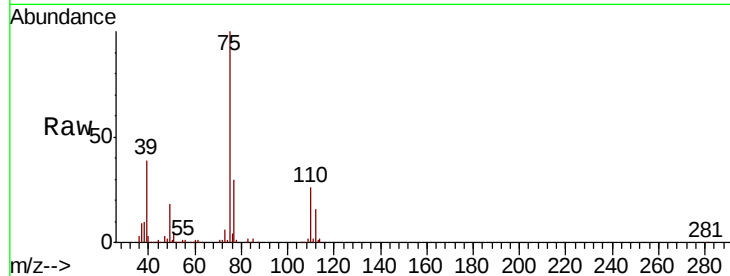
VSTDIC020

Tgt Ion: 75 Resp: 312963

Ion Ratio Lower Upper

75 100

77 29.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

9.86

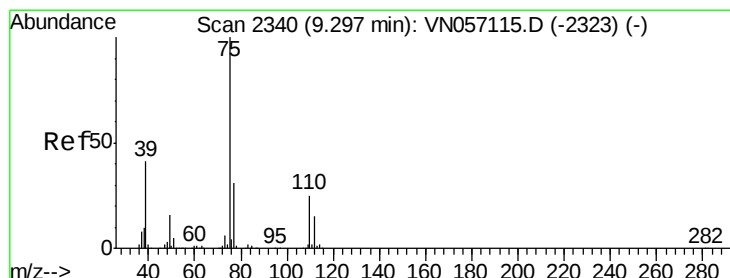
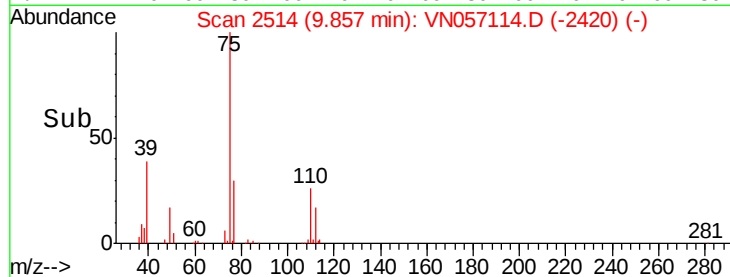
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.220 ug/l

RT: 9.30 min Scan# 2340

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

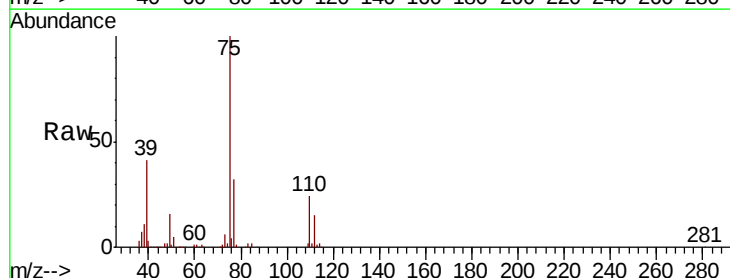
Tgt Ion: 75 Resp: 363638

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

39 40.8 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

250000

200000

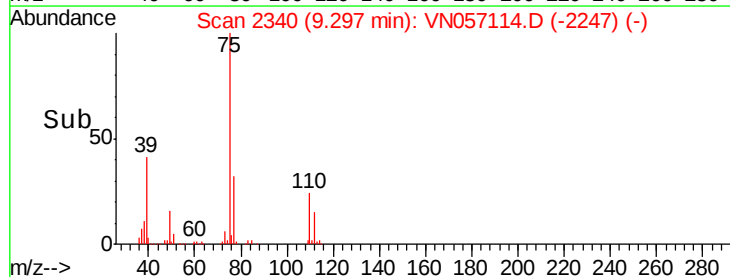
150000

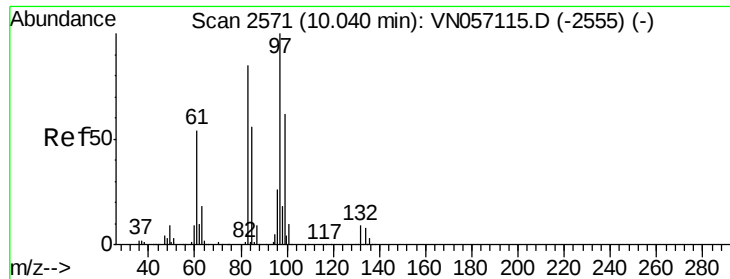
100000

50000

0

Time-->

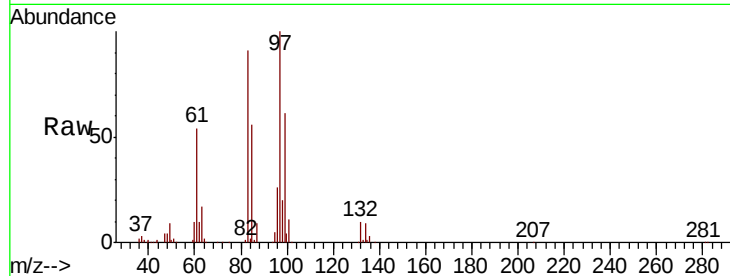




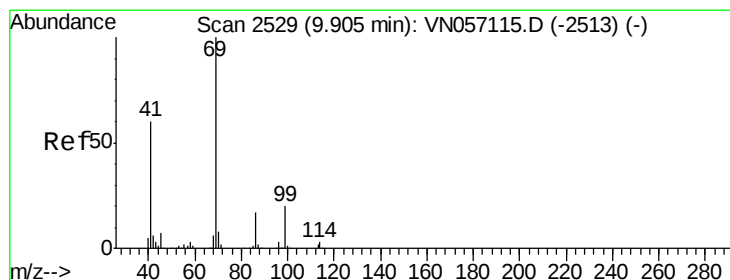
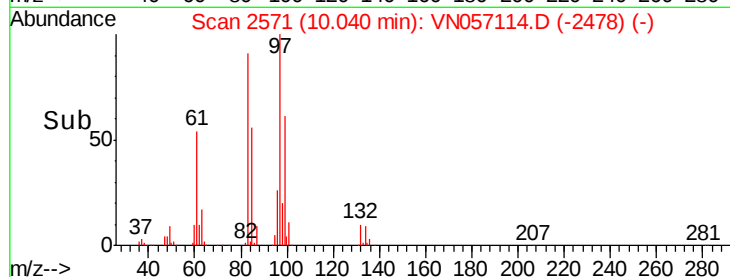
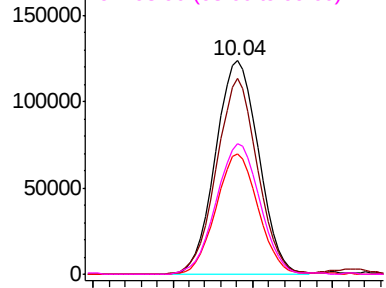
#55
 1,1,2-Trichloroethane
 Concen: 20.762 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	227684
Ion	Ratio	Lower	Upper
97	100		
83	91.4	67.8	101.8
85	56.5	44.4	66.6
99	60.8	49.8	74.6

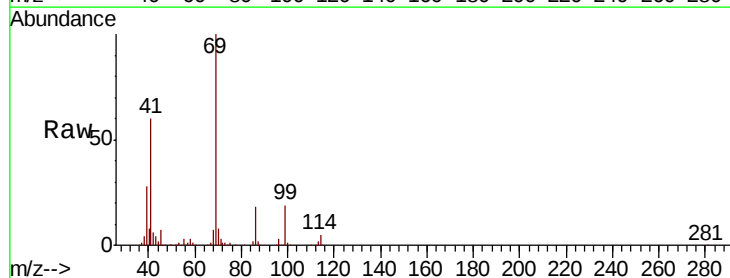


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

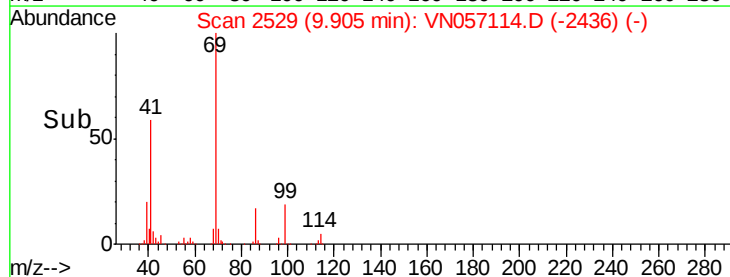
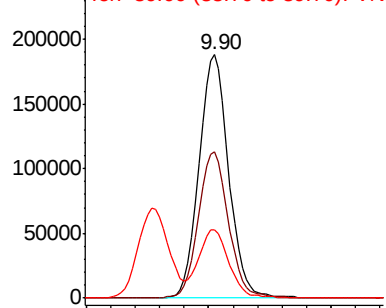


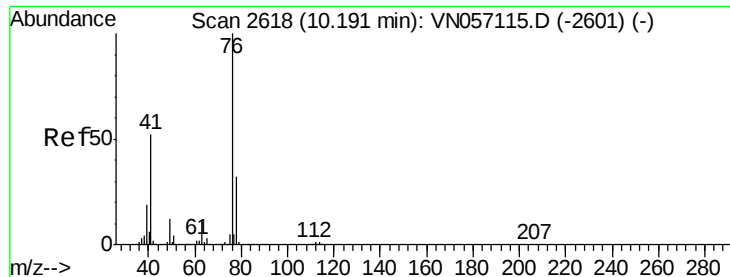
#56
 Ethyl methacrylate
 Concen: 21.175 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion:	69	Resp:	318162
Ion	Ratio	Lower	Upper
69	100		
41	60.8	48.1	72.1
39	29.2	23.6	35.4



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





#57

1,3-Dichloropropane

Concen: 20.944 ug/l

RT: 10.19 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

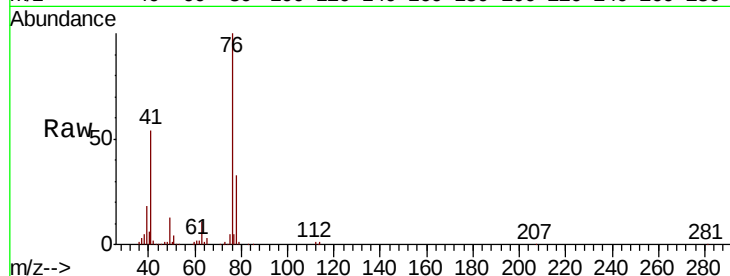
VSTDIC020

Tgt Ion: 76 Resp: 381318

Ion Ratio Lower Upper

76 100

78 32.4 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN057114.D (-2525) (-)

Ion 77.90 (77.60 to 78.60): VN057114.D (-2525) (-)

250000

200000

150000

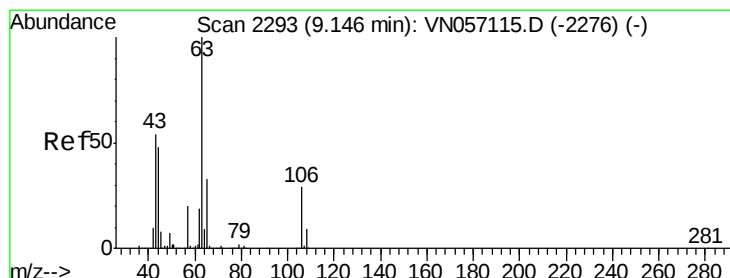
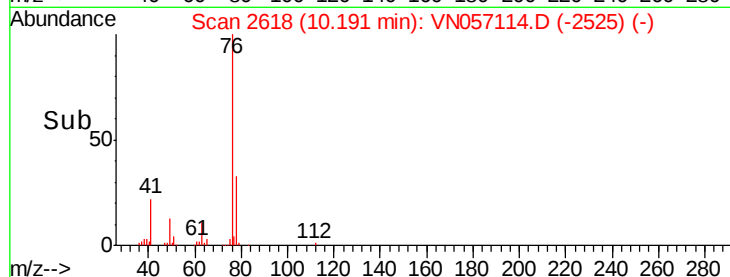
100000

50000

0

10.10 10.20 10.30

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 100.765 ug/l

RT: 9.15 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VN057114.D

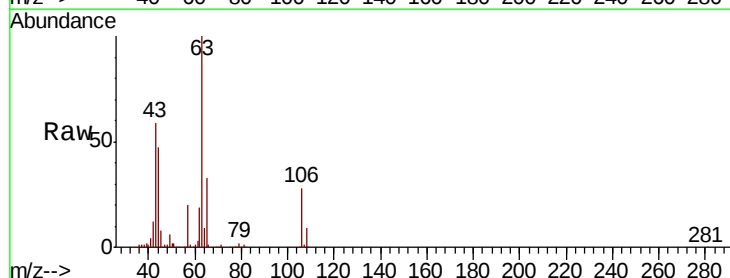
Acq: 7 Aug 2019 19:43

Tgt Ion: 63 Resp: 546228

Ion Ratio Lower Upper

63 100

106 27.3 22.6 33.8



Abundance Ion 62.90 (62.60 to 63.60): VN057114.D (-2200) (-)

Ion 105.90 (105.60 to 106.60): VN057114.D (-2200) (-)

300000

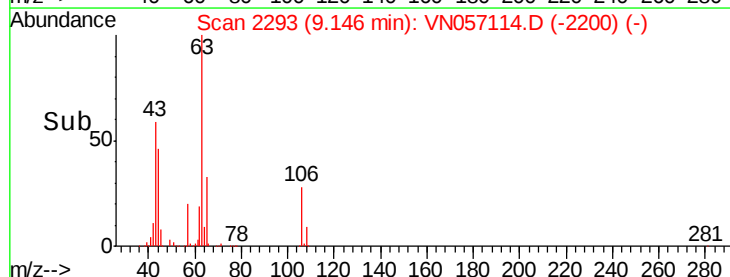
200000

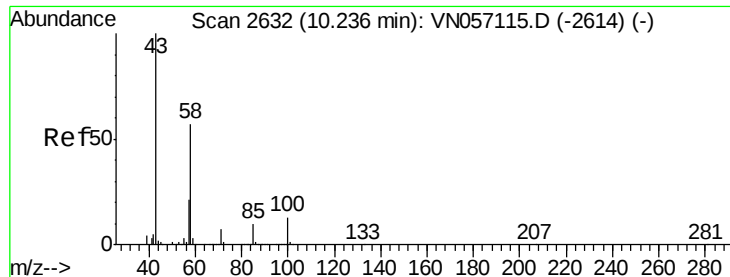
100000

0

9.10 9.20 9.30

Time-->





#59

2-Hexanone

Concen: 108.207 ug/l

RT: 10.24 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

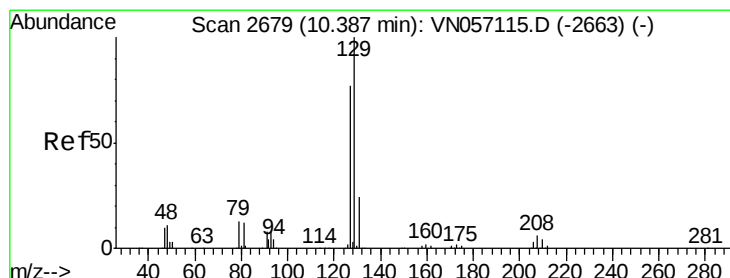
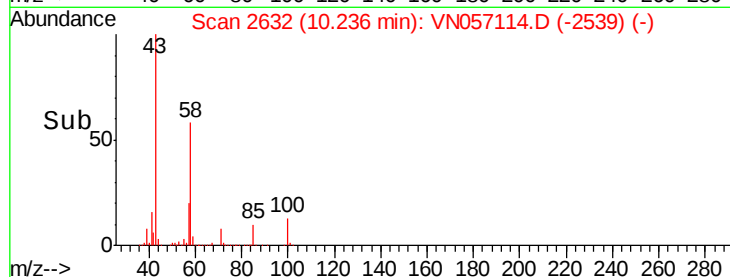
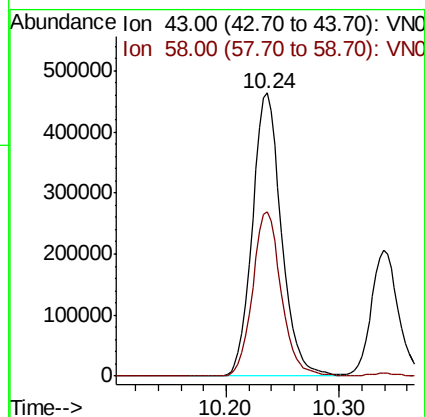
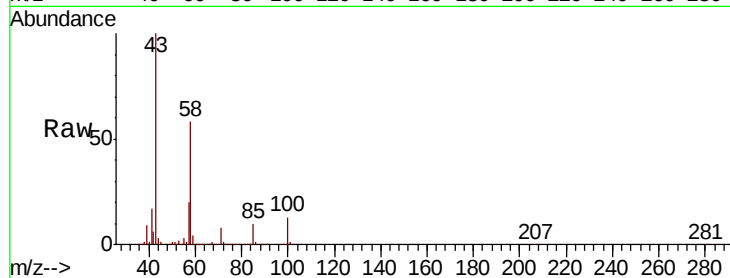
VSTDIC020

Tgt Ion: 43 Resp: 826694

Ion Ratio Lower Upper

43 100

58 57.4 29.2 87.6



#60

Dibromochloromethane

Concen: 20.946 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN057114.D

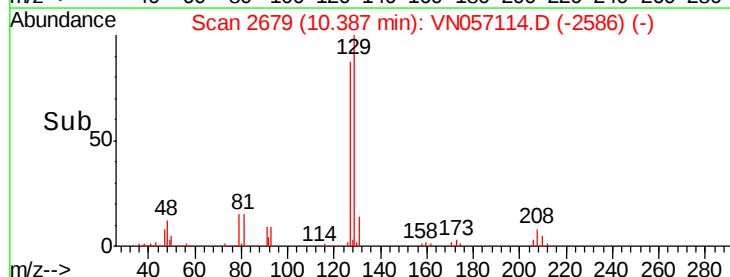
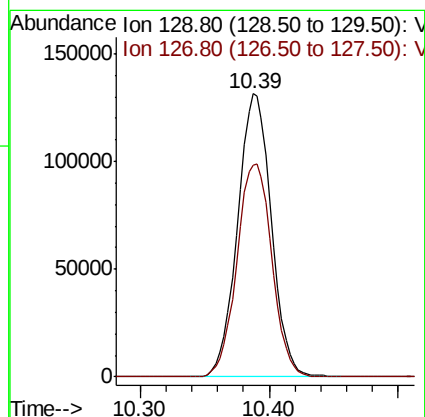
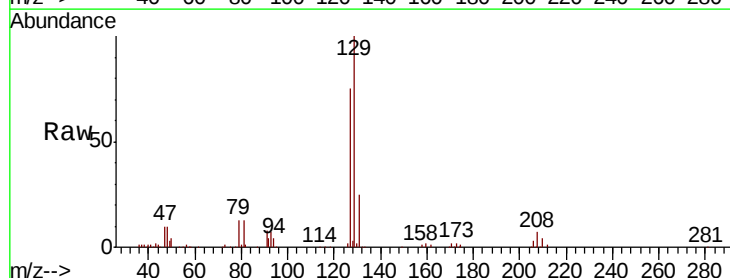
Acq: 7 Aug 2019 19:43

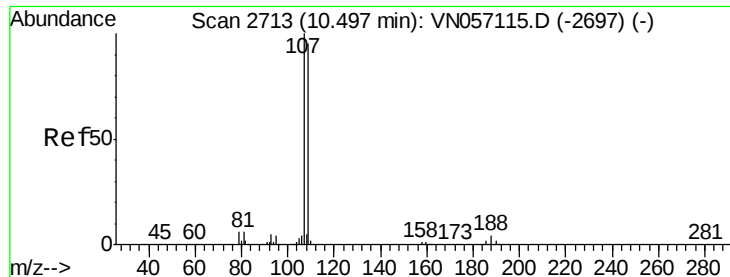
Tgt Ion: 129 Resp: 239006

Ion Ratio Lower Upper

129 100

127 77.9 38.6 116.0

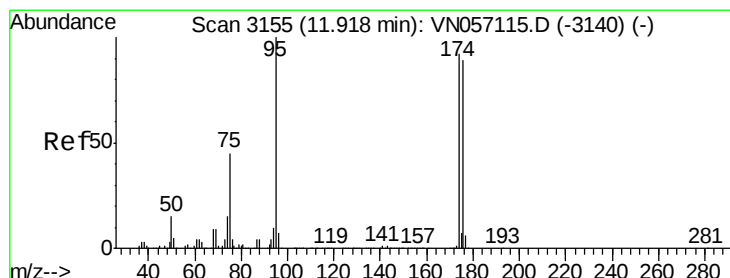
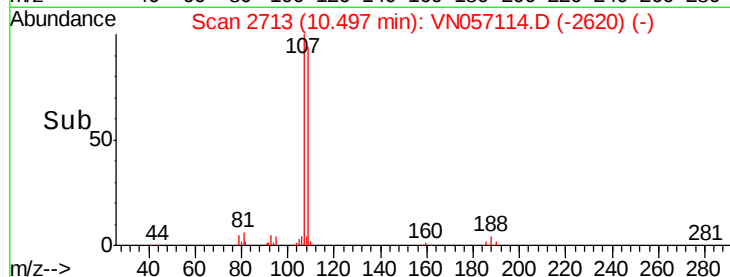
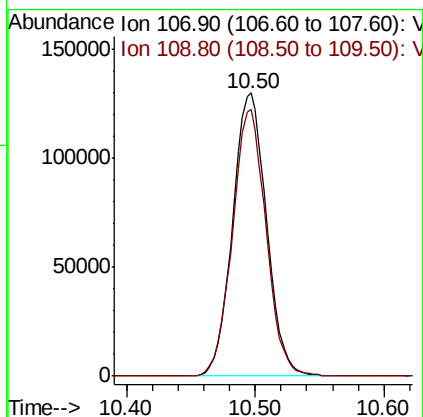
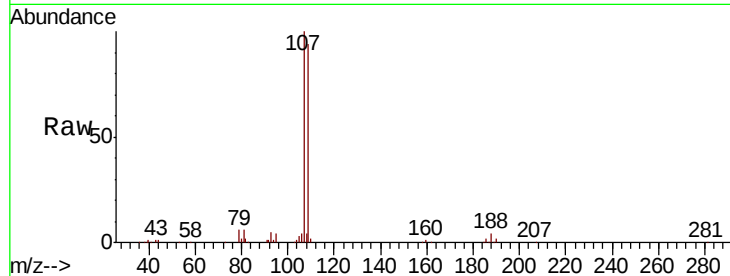




#61
 1,2-Dibromoethane
 Concen: 21.160 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

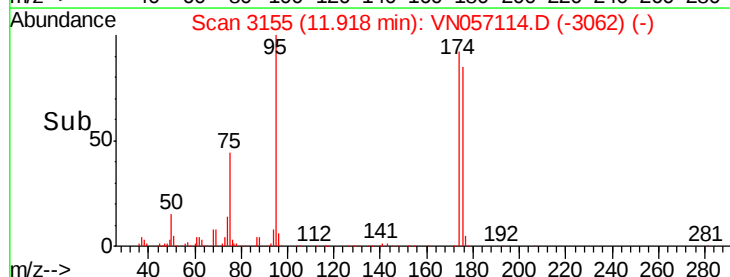
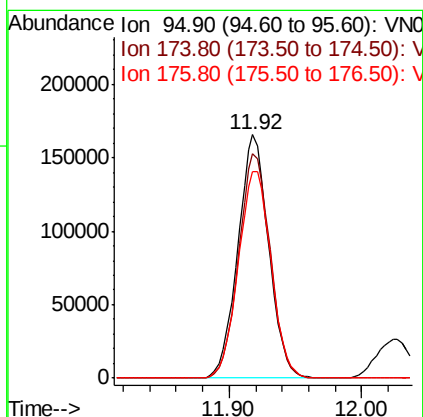
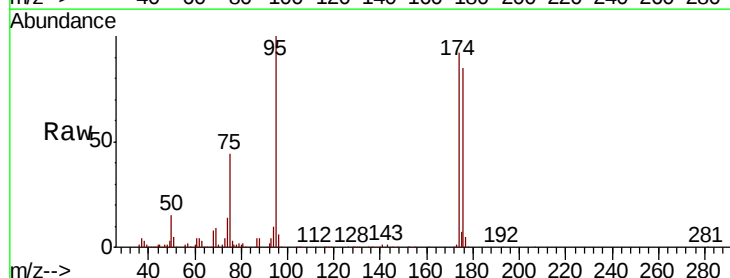
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

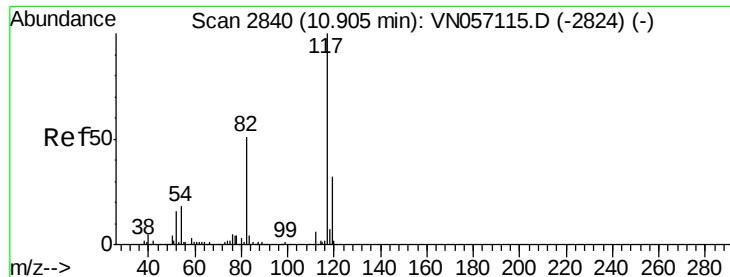
Tgt Ion: 107 Resp: 237017
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.781 ug/l
 RT: 11.92 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion: 95 Resp: 266717
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 185.0
 176 90.1 0.0 181.2

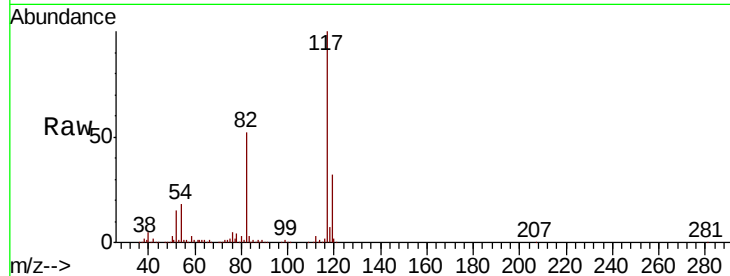




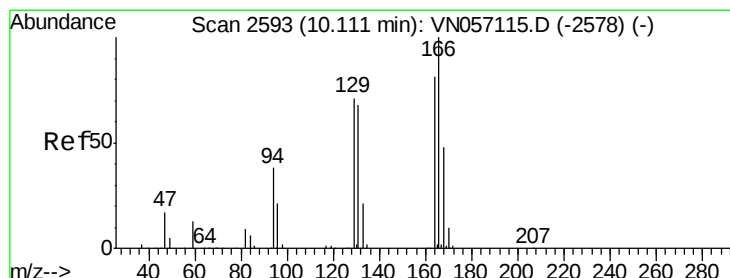
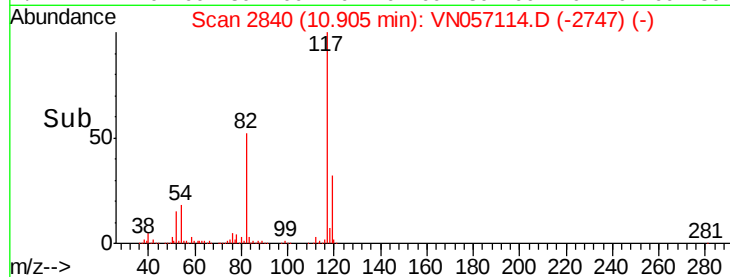
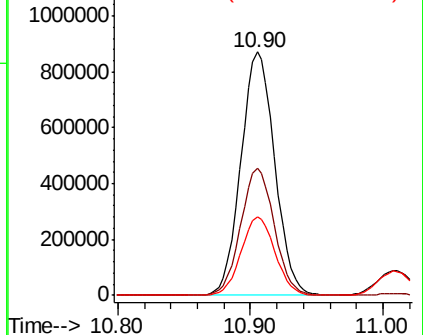
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 1541414
Ion Ratio Lower Upper
117 100
82 52.0 40.8 61.2
119 32.2 25.7 38.5

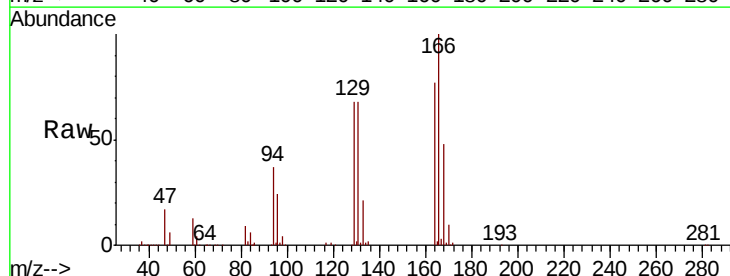


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

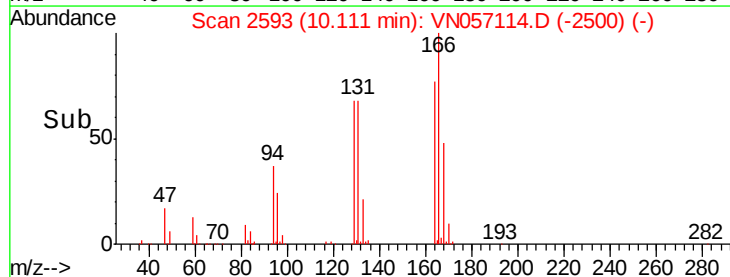
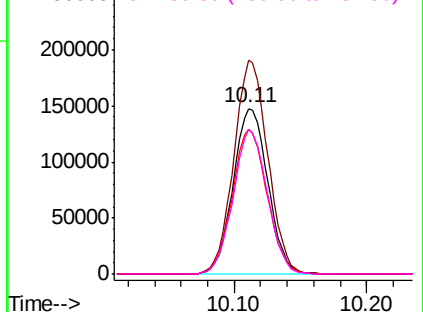


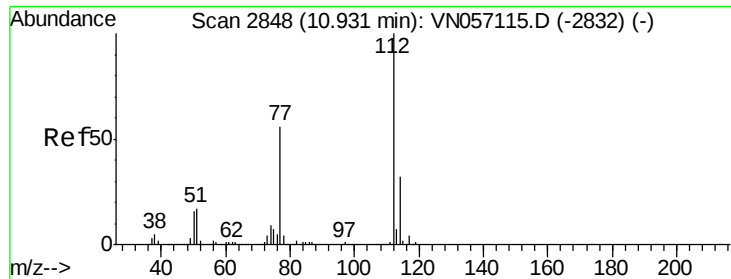
#64
Tetrachloroethene
Concen: 20.645 ug/l
RT: 10.11 min Scan# 2593
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion:164 Resp: 267714
Ion Ratio Lower Upper
164 100
166 129.1 98.3 147.5
129 87.7 69.8 104.6
131 87.3 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

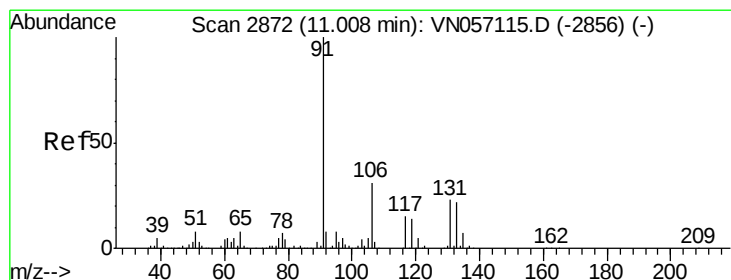
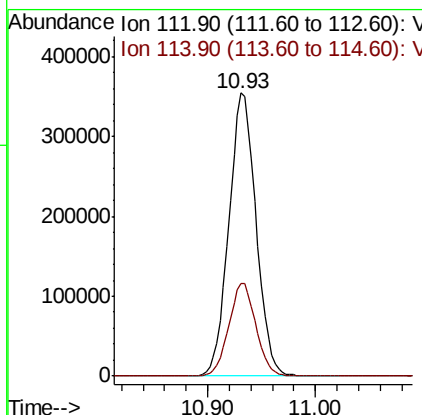
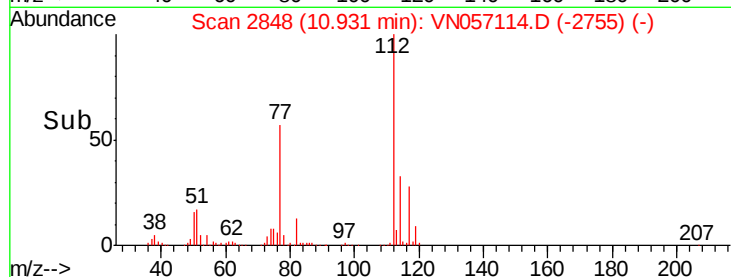
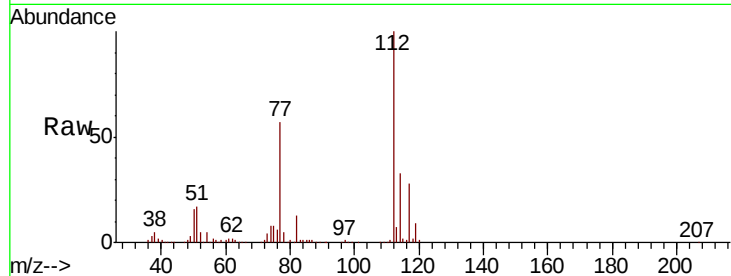




#65
Chlorobenzene
Concen: 20.049 ug/l
RT: 10.93 min Scan# 2848
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

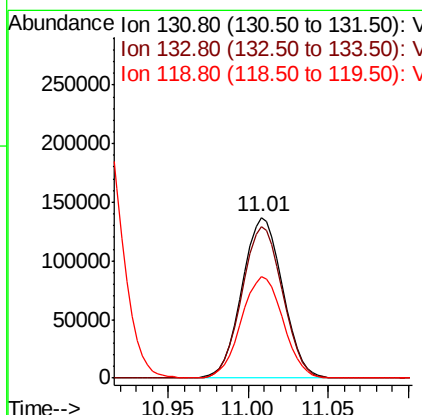
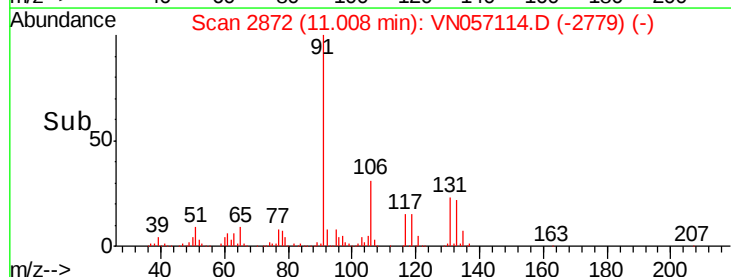
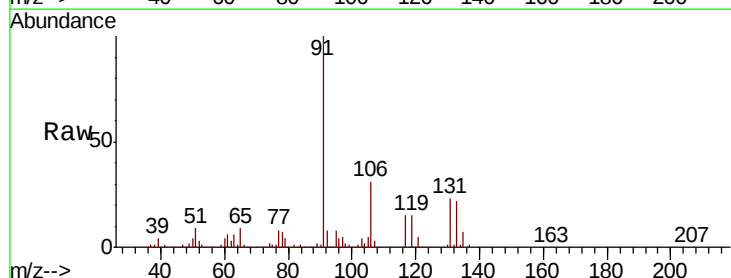
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

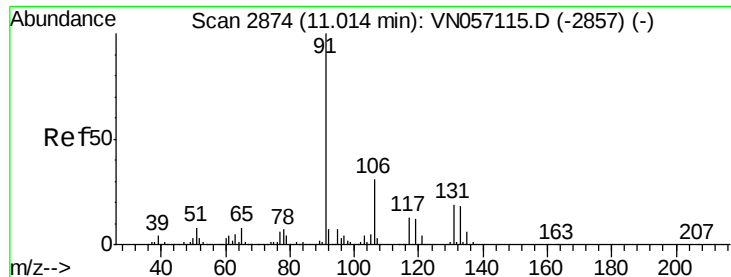
Tgt Ion:112 Resp: 623897
Ion Ratio Lower Upper
112 100
114 33.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.726 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion:131 Resp: 237643
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.8
119 64.4 32.6 97.7

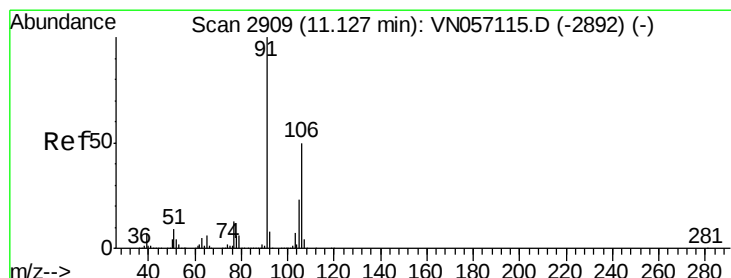
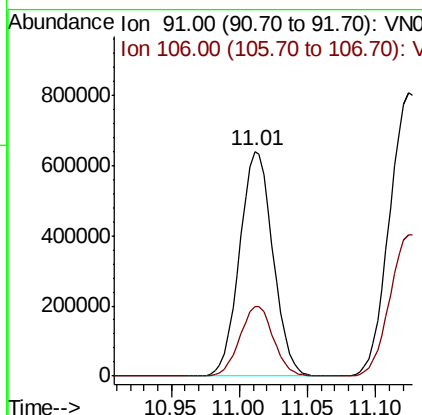
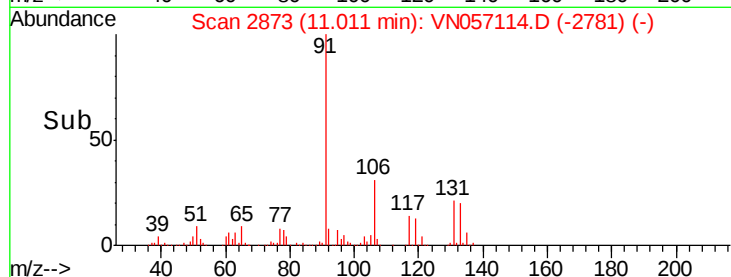
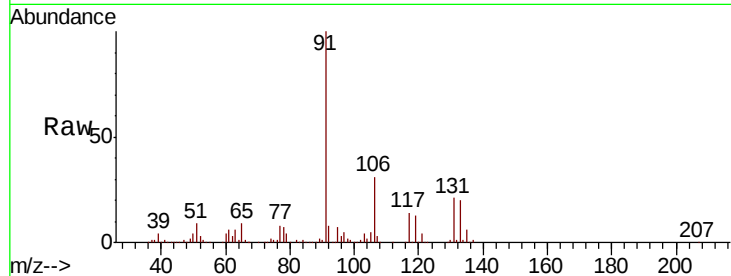




#67
Ethyl Benzene
Concen: 20.292 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

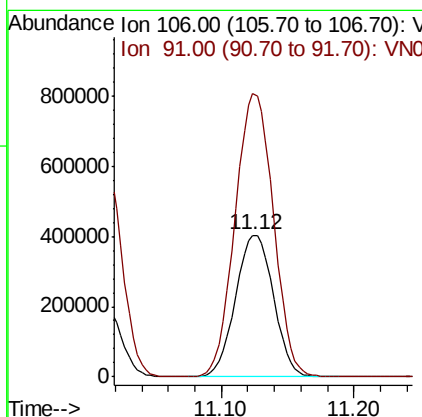
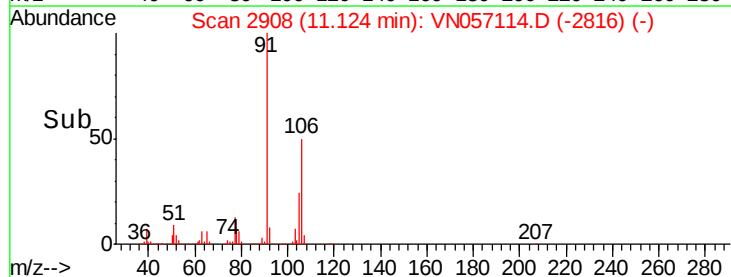
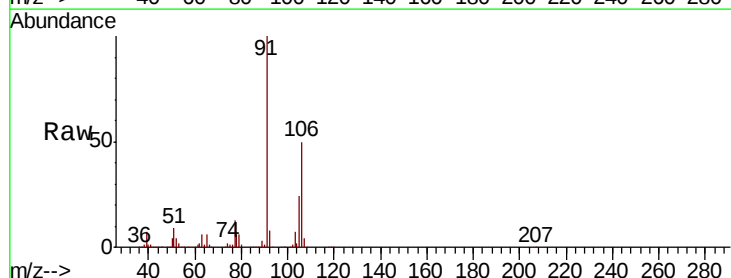
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

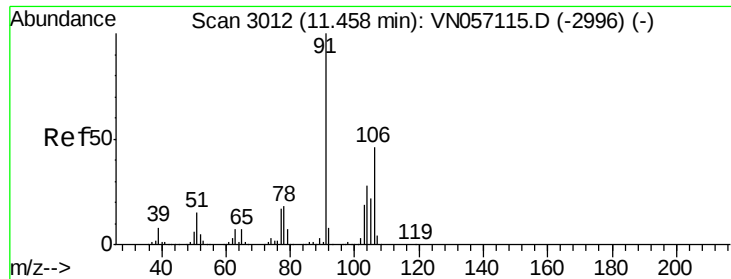
Tgt Ion: 91 Resp: 1086979
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 39.710 ug/l
RT: 11.12 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion: 106 Resp: 801230
Ion Ratio Lower Upper
106 100
91 202.2 159.8 239.8

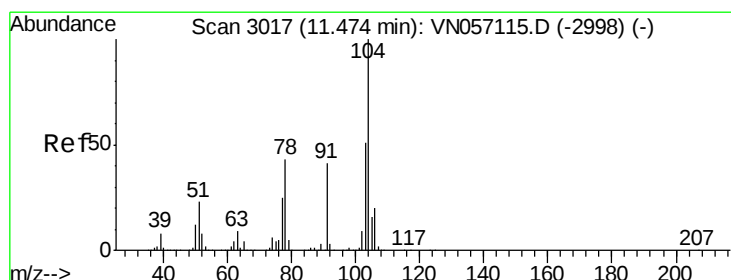
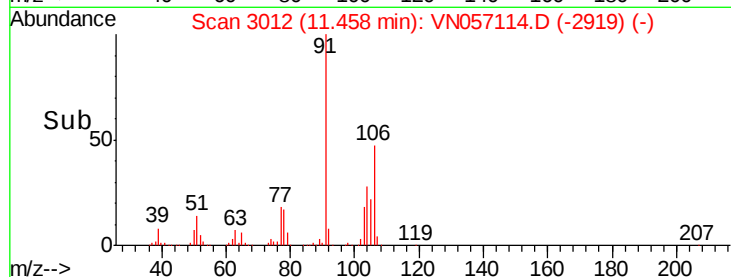
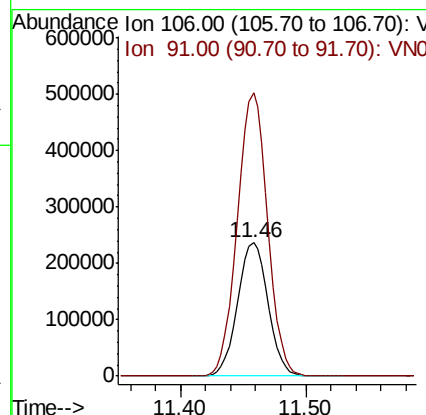
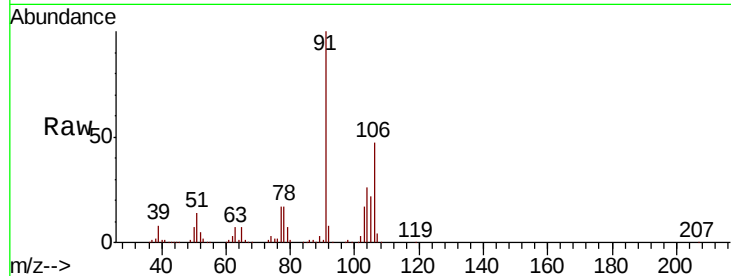




#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

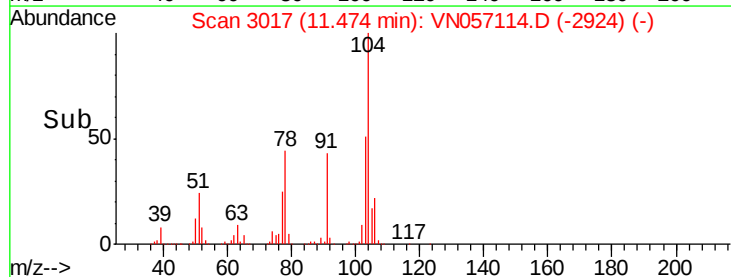
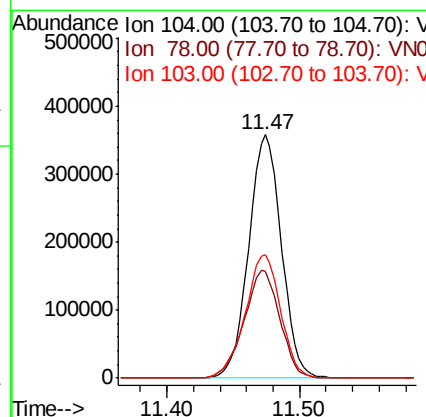
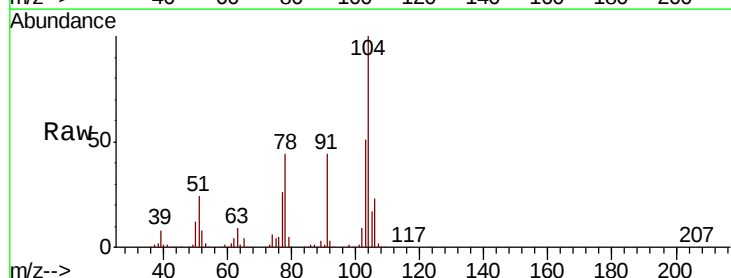
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

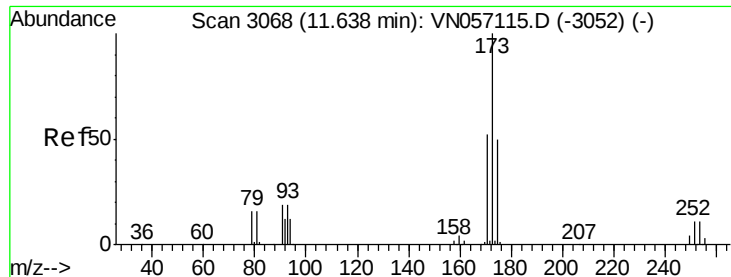
Tgt Ion:106 Resp: 399501
Ion Ratio Lower Upper
106 100
91 210.4 106.8 320.5



#70
Styrene
Concen: 19.445 ug/l
RT: 11.47 min Scan# 3017
Delta R.T. 0.00 min
Lab File: VN057114.D
Acq: 7 Aug 2019 19:43

Tgt Ion:104 Resp: 614632
Ion Ratio Lower Upper
104 100
78 48.6 38.5 57.7
103 54.9 44.6 66.8





#71

Bromoform

Concen: 21.388 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

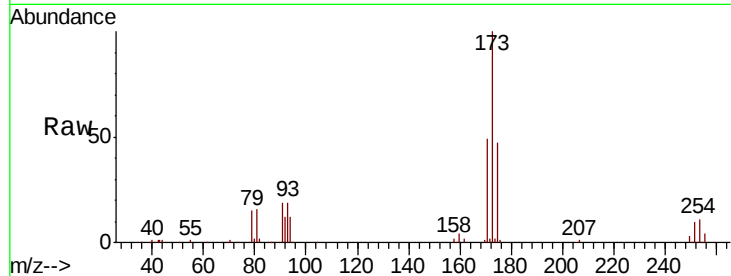
Tgt Ion:173 Resp: 173228

Ion Ratio Lower Upper

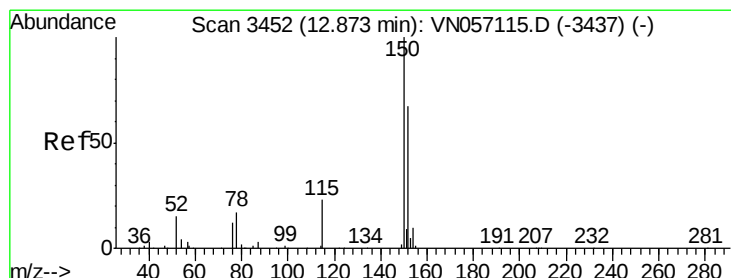
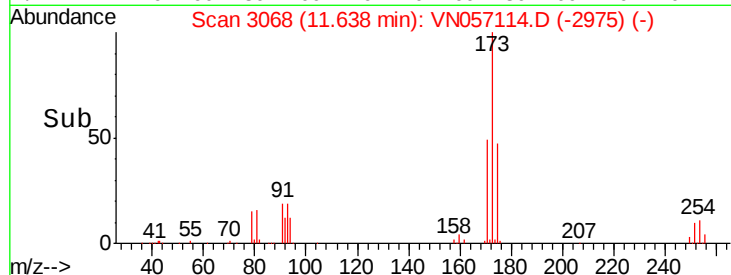
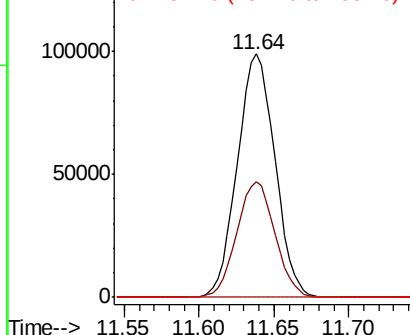
173 100

175 48.1 24.6 73.8

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.87 min Scan# 3452

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

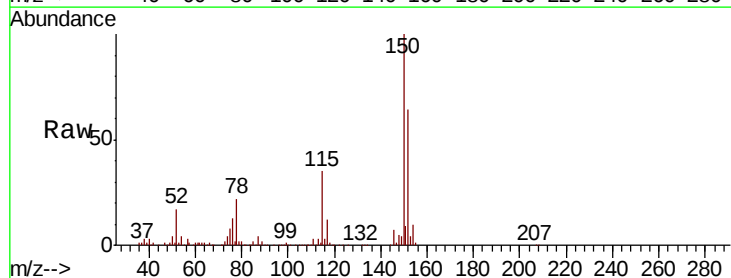
Tgt Ion:152 Resp: 543237

Ion Ratio Lower Upper

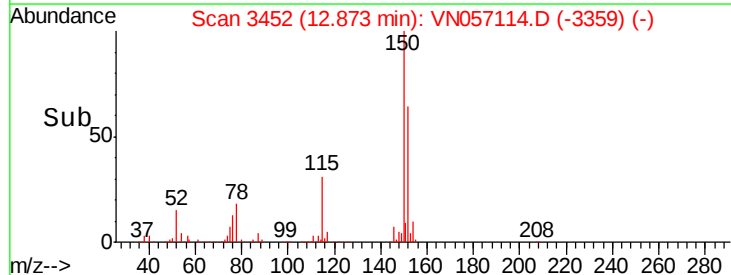
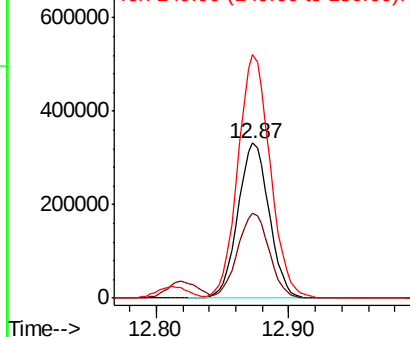
152 100

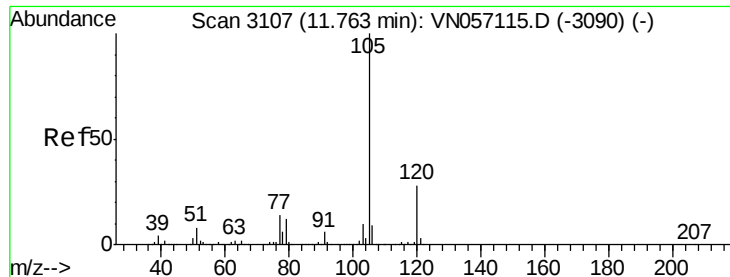
115 55.2 27.5 82.5

150 162.0 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: 23.906 ug/l

RT: 11.76 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

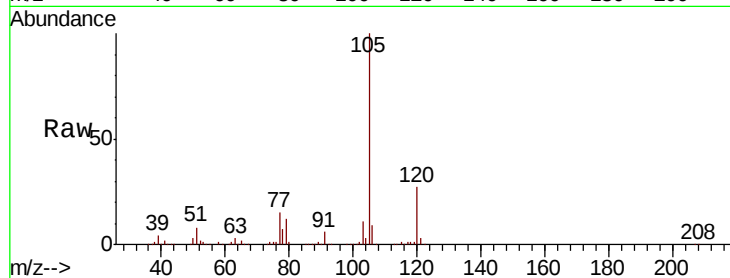
VSTDIC020

Tgt Ion:105 Resp: 1054989

Ion Ratio Lower Upper

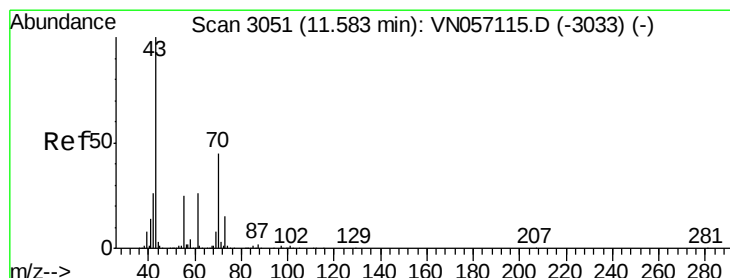
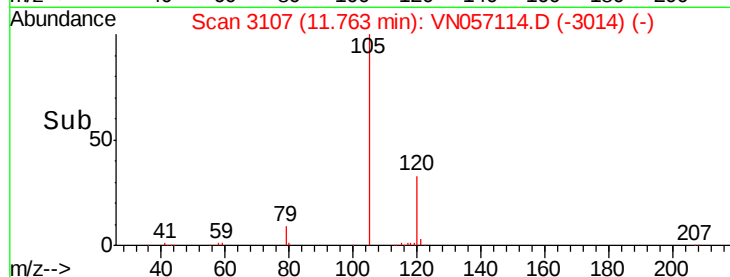
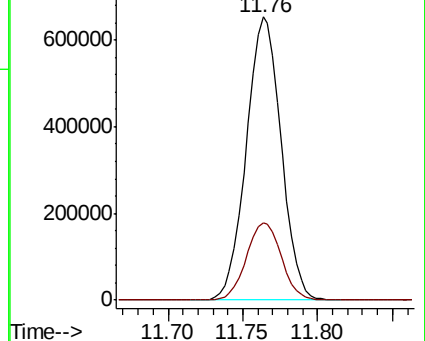
105 100

120 27.5 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: 21.853 ug/l

RT: 11.58 min Scan# 3051

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Tgt Ion: 43 Resp: 283023

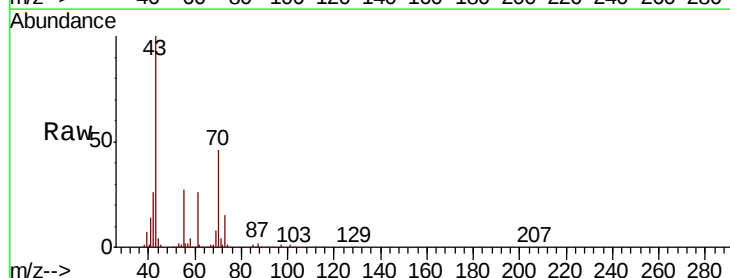
Ion Ratio Lower Upper

43 100

70 46.8 36.8 55.2

55 26.8 20.6 31.0

61 25.8 21.0 31.4

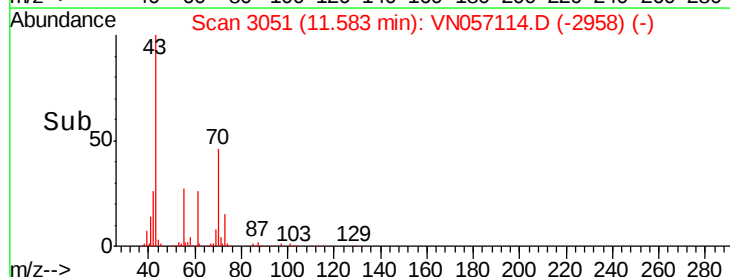
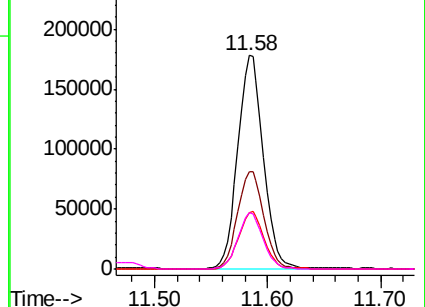


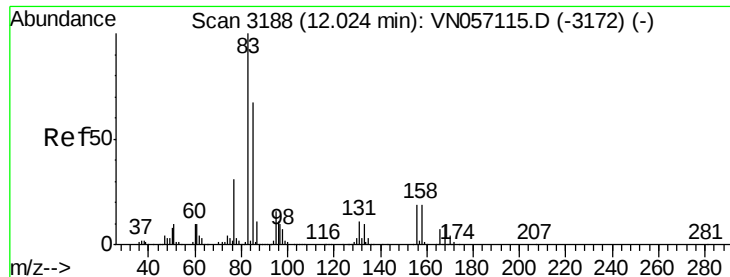
Abundance Ion 43.00 (42.70 to 43.70): V

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: 24.380 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

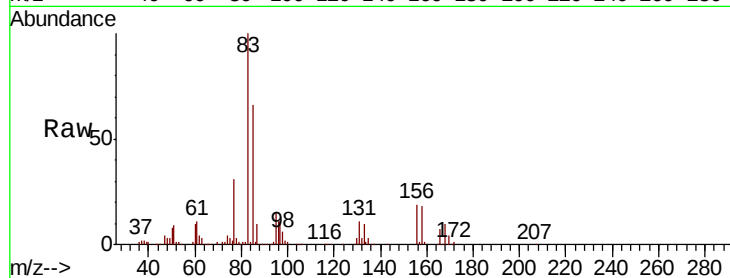
Tgt Ion: 83 Resp: 302644

Ion Ratio Lower Upper

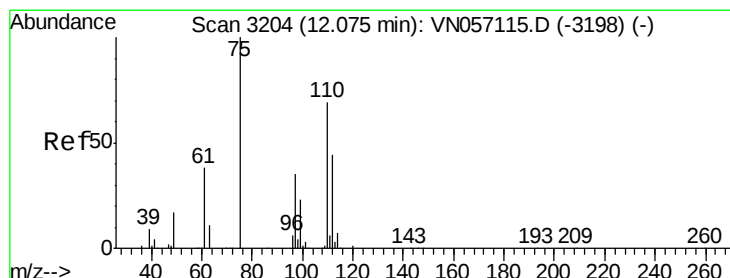
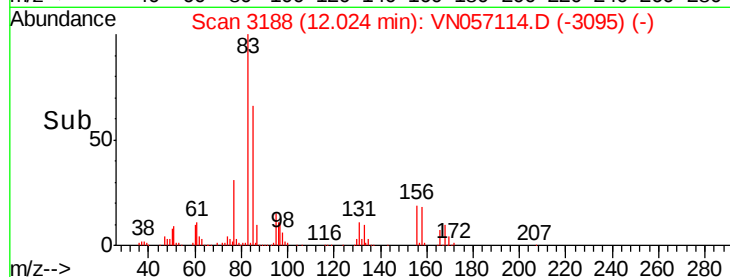
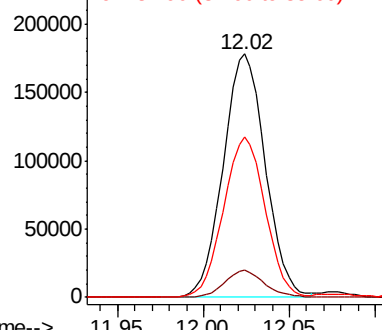
83 100

131 10.6 5.5 16.4

85 65.1 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 33.618 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057114.D

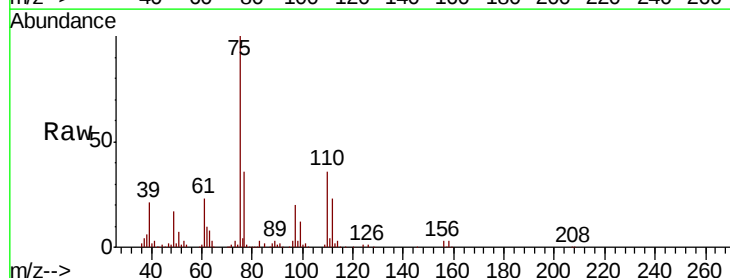
Acq: 7 Aug 2019 19:43

Tgt Ion: 75 Resp: 344773

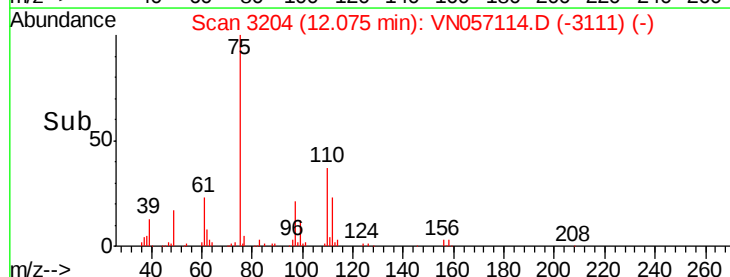
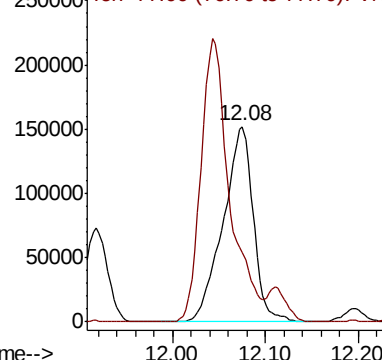
Ion Ratio Lower Upper

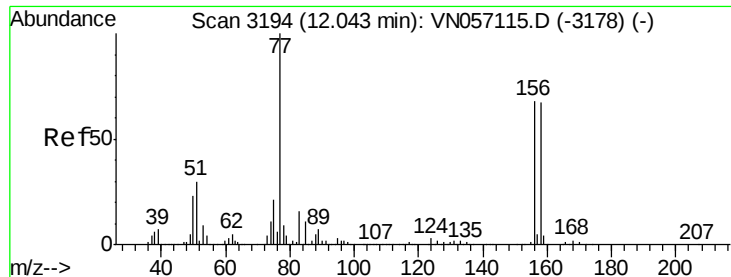
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 22.445 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

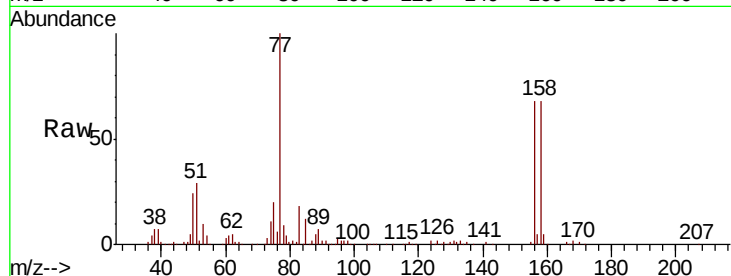
Tgt Ion:156 Resp: 263776

Ion Ratio Lower Upper

156 100

77 179.4 88.7 266.1

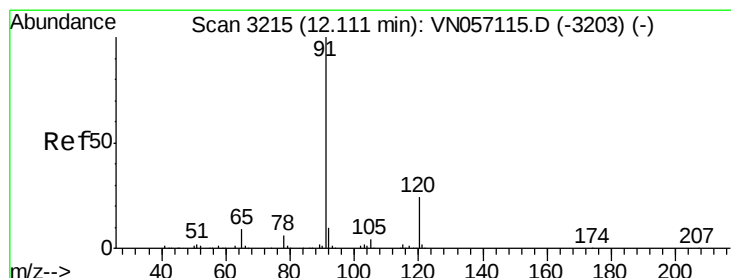
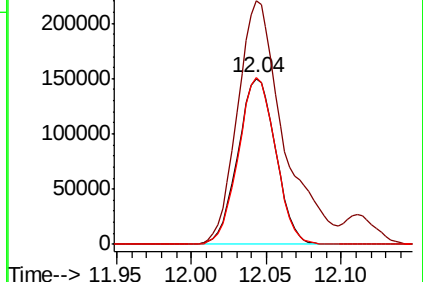
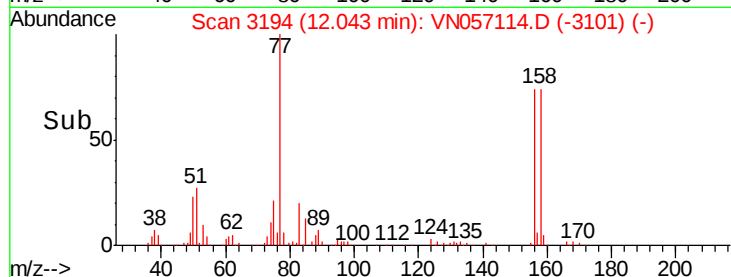
158 98.8 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.371 ug/l

RT: 12.11 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VN057114.D

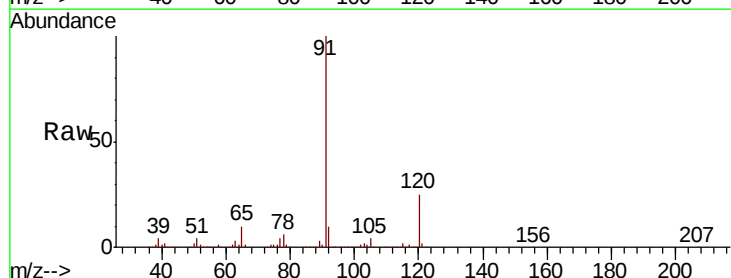
Acq: 7 Aug 2019 19:43

Tgt Ion: 91 Resp: 1057736

Ion Ratio Lower Upper

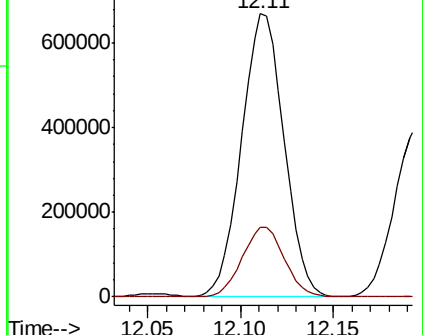
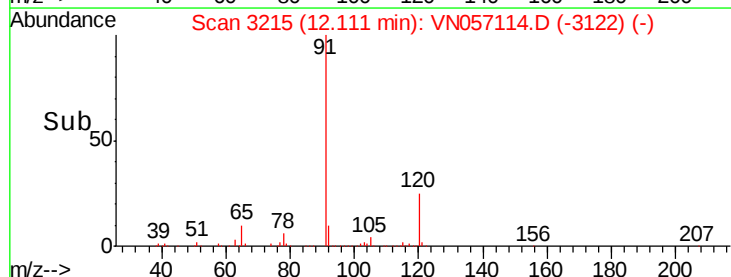
91 100

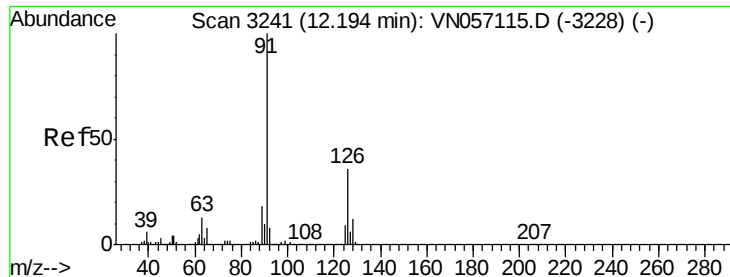
120 24.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.368 ug/l

RT: 12.19 min Scan# 3241

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

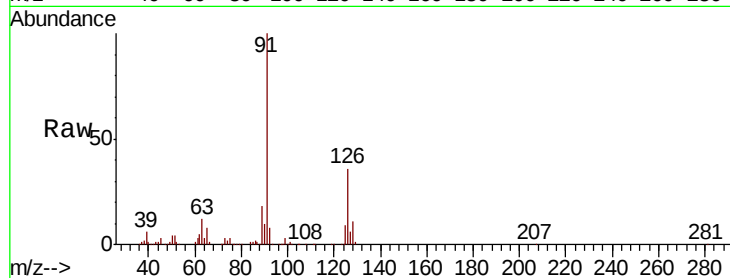
VSTDIC020

Tgt Ion: 91 Resp: 676645

Ion Ratio Lower Upper

91 100

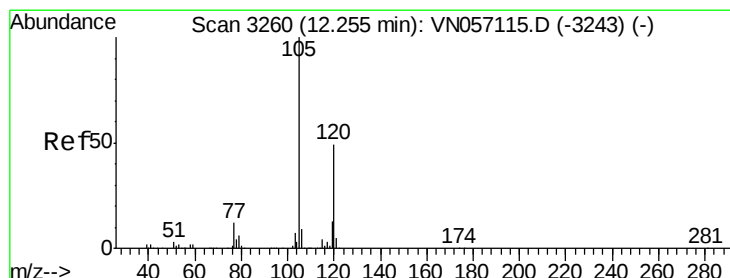
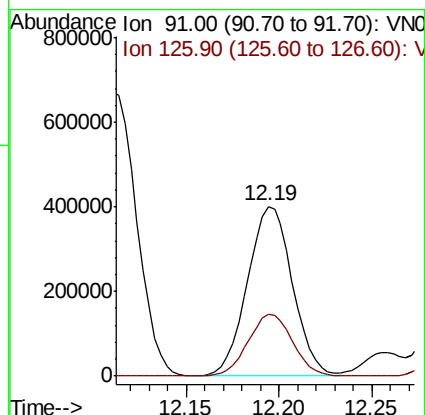
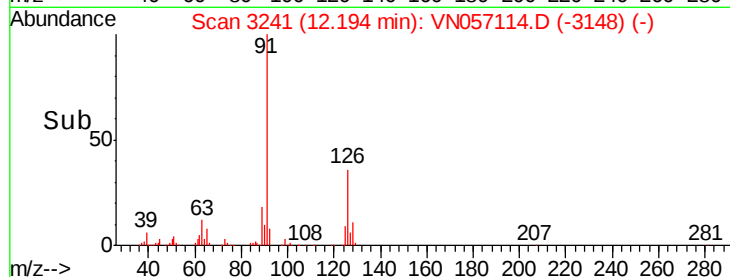
126 36.4 18.1 54.3



Abundance Ion 91.00 (90.70 to 91.70): VN057114.D (-3148) (-)

Ion 125.90 (125.60 to 126.60): VN057114.D (-3148) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 23.731 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN057114.D

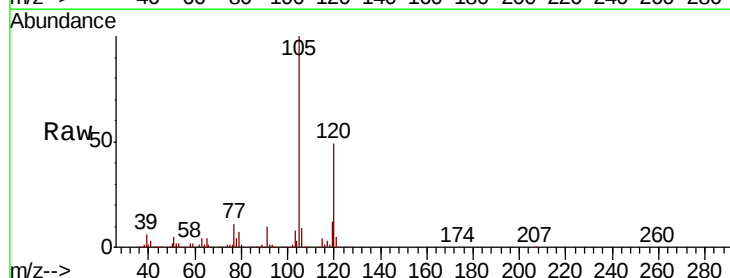
Acq: 7 Aug 2019 19:43

Tgt Ion: 105 Resp: 874687

Ion Ratio Lower Upper

105 100

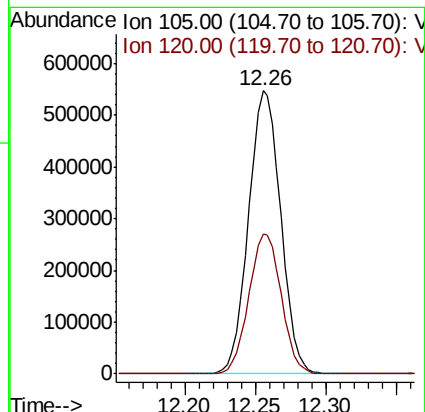
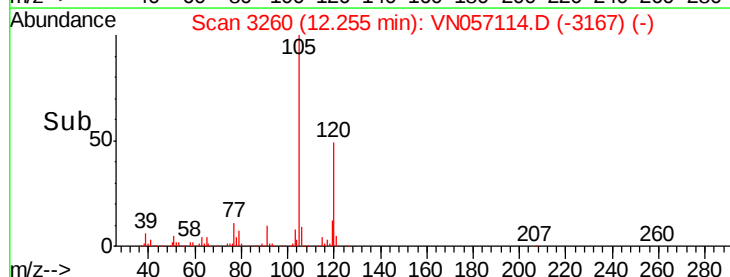
120 49.9 24.6 73.6

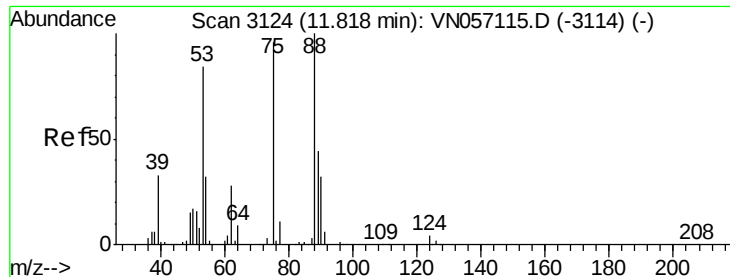


Abundance Ion 105.00 (104.70 to 105.70): VN057114.D (-3167) (-)

Ion 120.00 (119.70 to 120.70): VN057114.D (-3167) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 22.301 ug/l

RT: 11.81 min Scan# 3123

Delta R.T. -0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

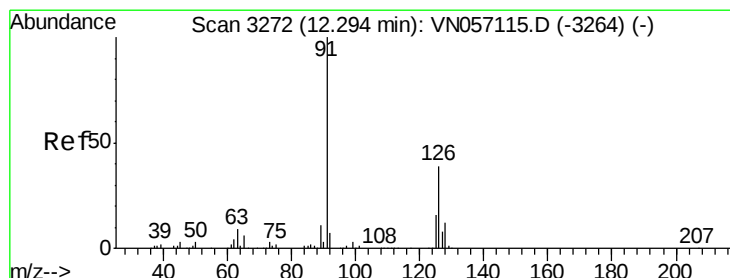
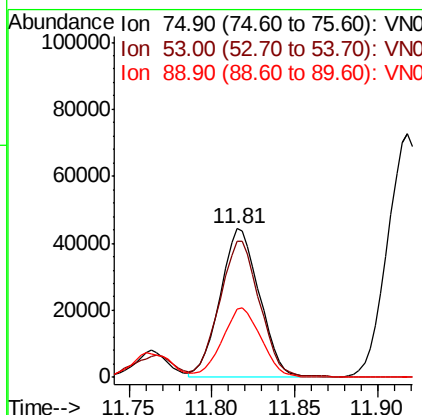
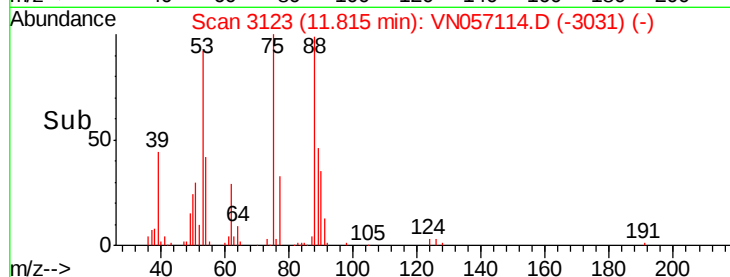
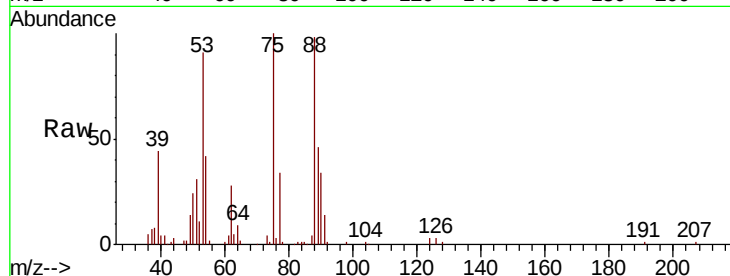
Tgt Ion: 75 Resp: 72499

Ion Ratio Lower Upper

75 100

53 92.7 70.6 106.0

89 46.6 36.4 54.6



#82

4-Chlorotoluene

Concen: 22.061 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN057114.D

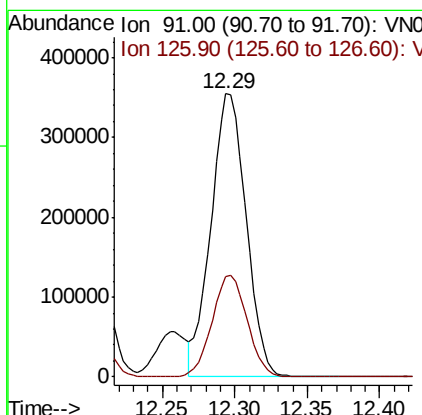
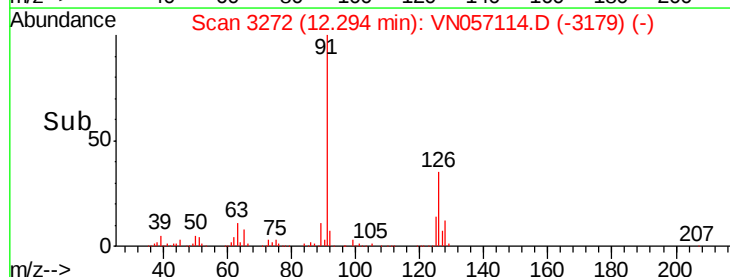
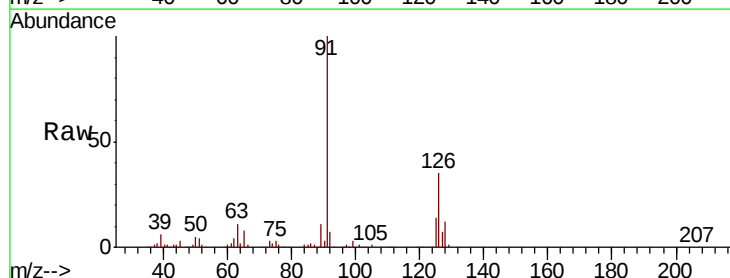
Acq: 7 Aug 2019 19:43

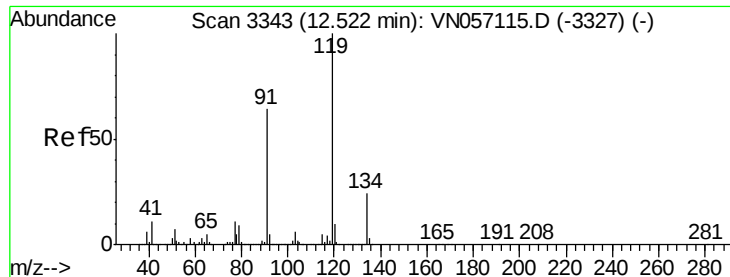
Tgt Ion: 91 Resp: 599056

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7

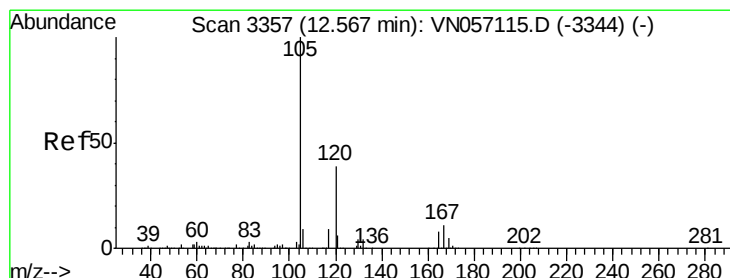
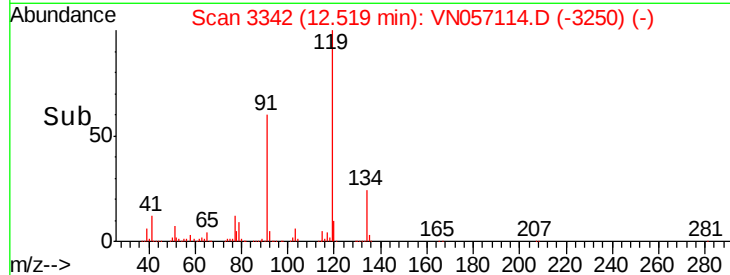
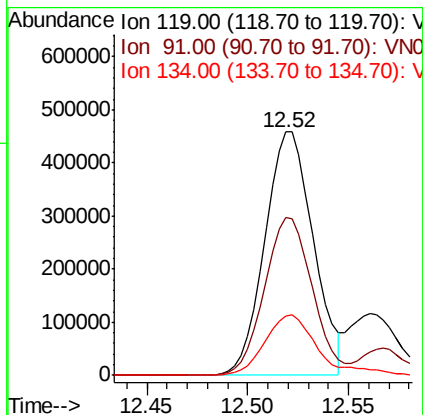
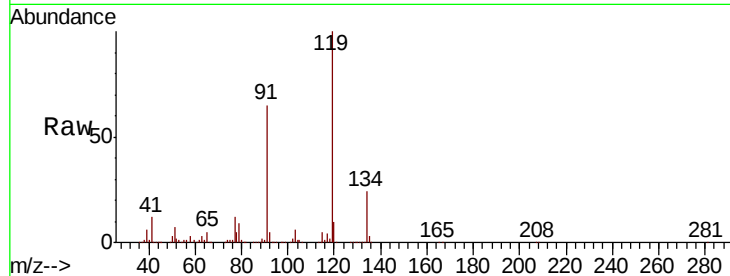




#83
 tert-Butylbenzene
 Concen: 23.485 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

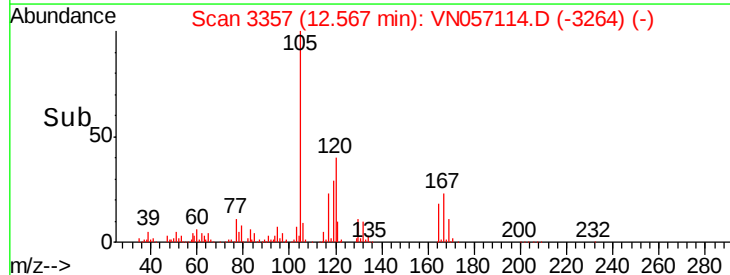
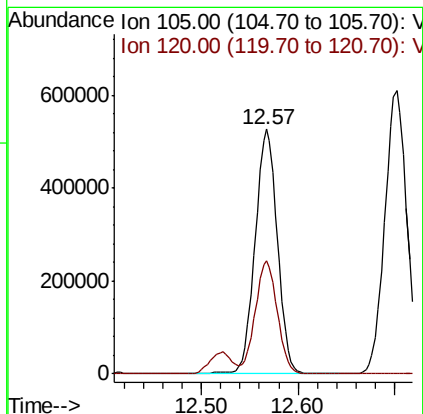
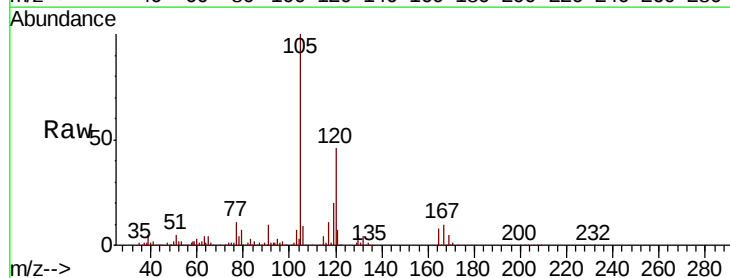
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

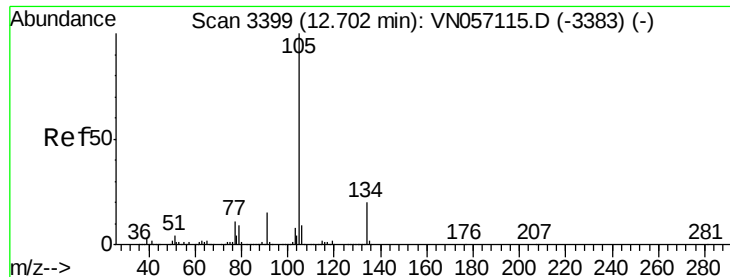
Tgt Ion:119 Resp: 765055
 Ion Ratio Lower Upper
 119 100
 91 63.8 31.4 94.2
 134 27.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 23.900 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion:105 Resp: 842264
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 23.959 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

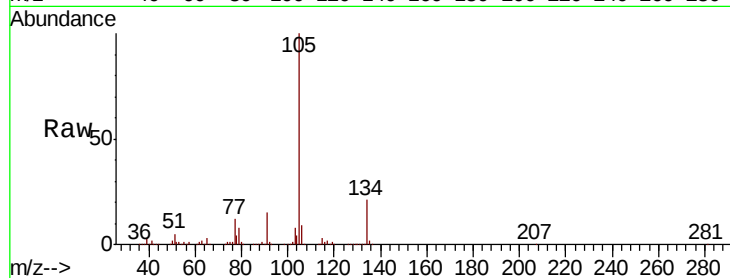
VSTDIC020

Tgt Ion:105 Resp: 963469

Ion Ratio Lower Upper

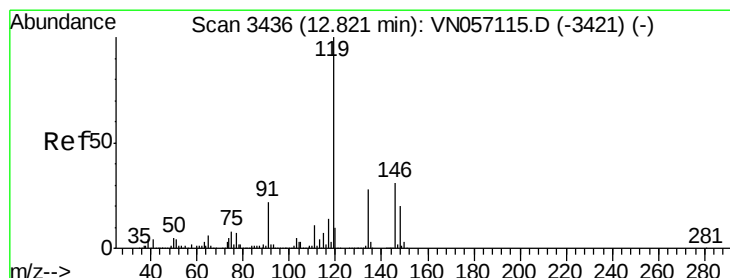
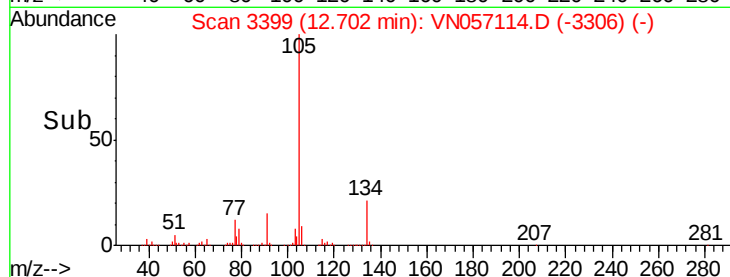
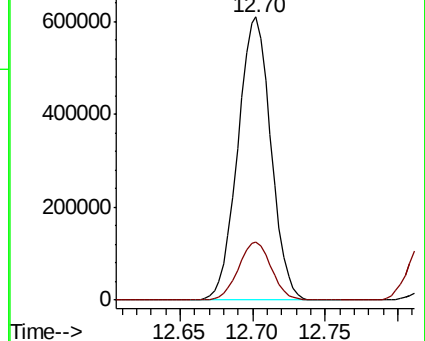
105 100

134 20.5 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.576 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

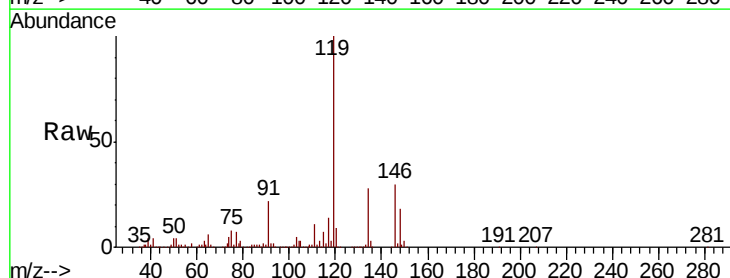
Tgt Ion:119 Resp: 837945

Ion Ratio Lower Upper

119 100

134 27.3 13.8 41.3

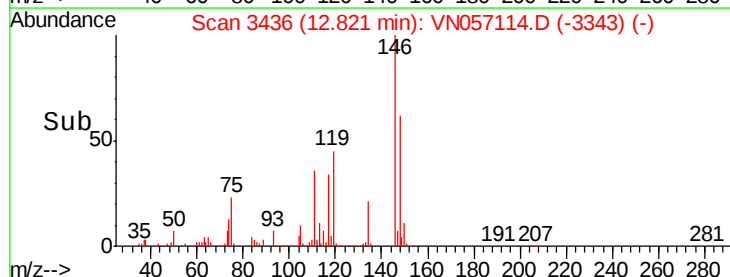
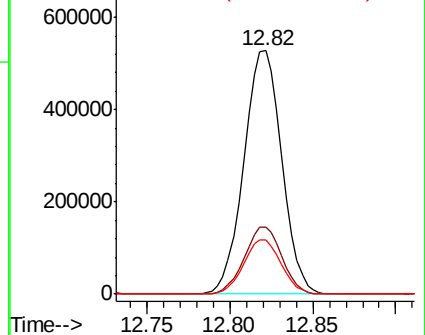
91 22.2 11.0 33.0

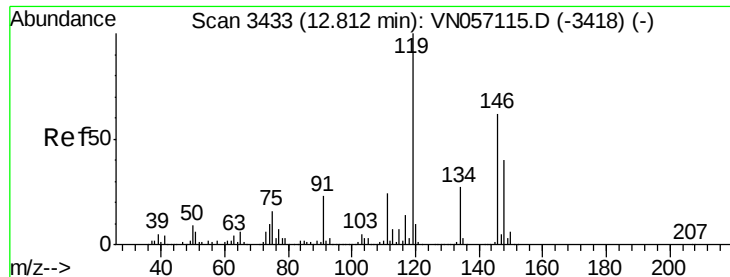


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

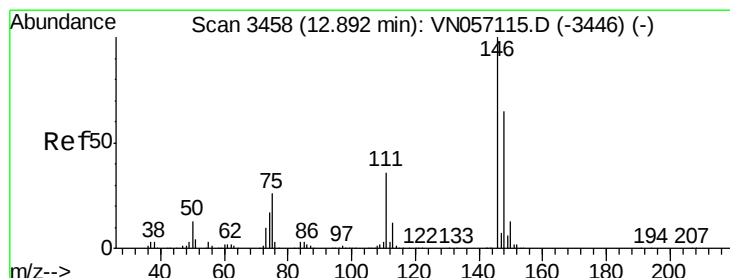
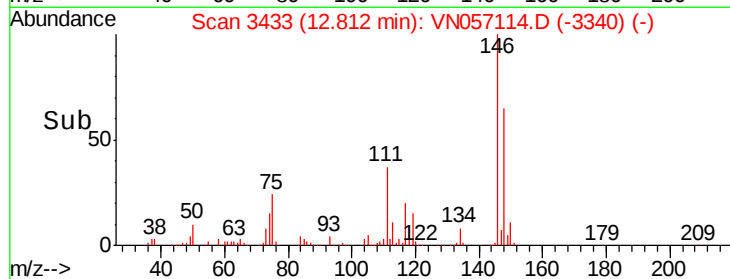
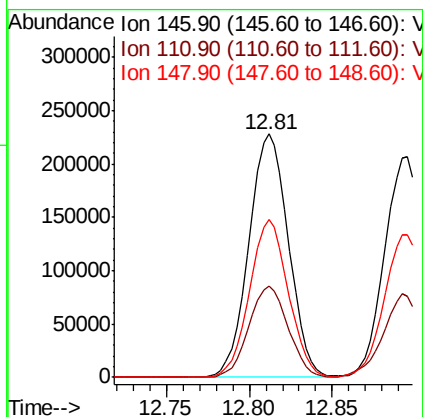
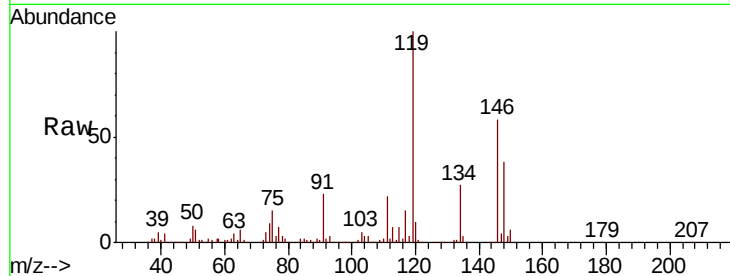




#87
 1,3-Dichlorobenzene
 Concen: 20.804 ug/l
 RT: 12.81 min Scan# 3433
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

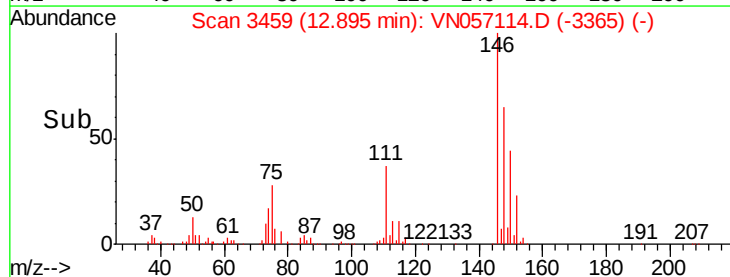
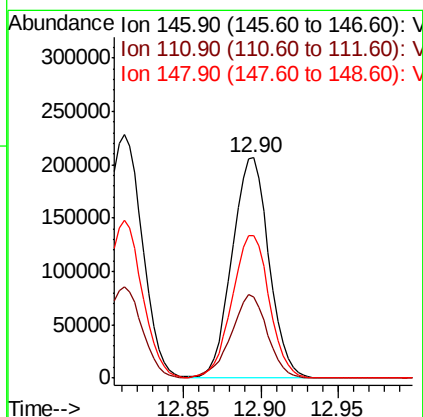
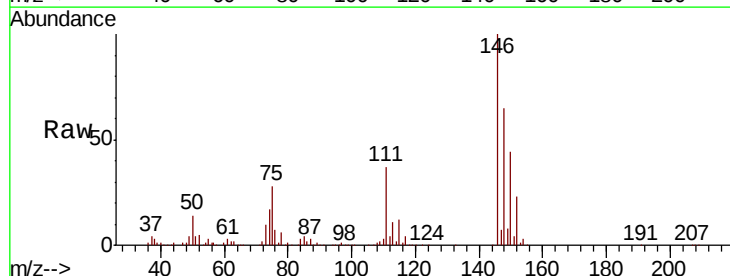
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

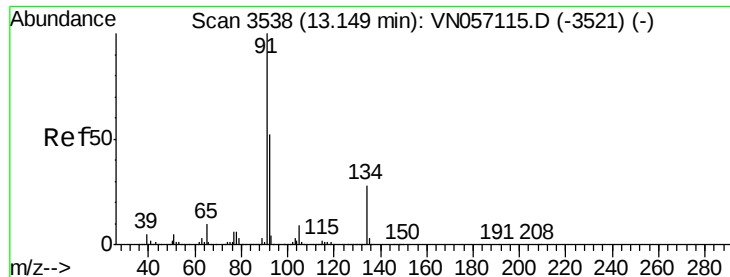
Tgt Ion:146 Resp: 377567
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.4
 148 63.6 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 19.567 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion:146 Resp: 341523
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.2 54.6
 148 65.9 32.0 96.2





#89

n-Butylbenzene

Concen: 21.673 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

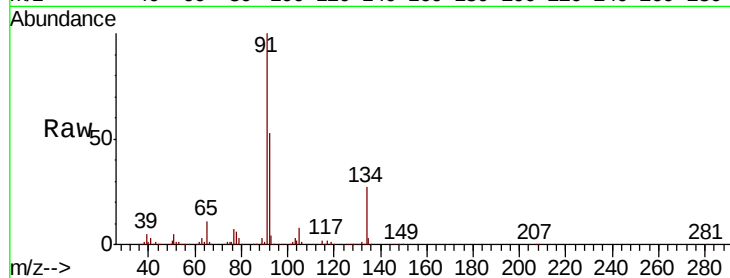
Tgt Ion: 91 Resp: 588722

Ion Ratio Lower Upper

91 100

92 52.3 26.5 79.4

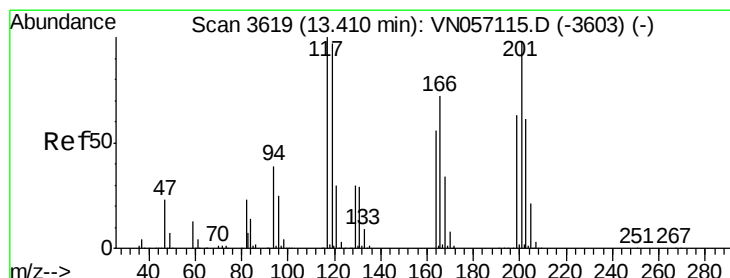
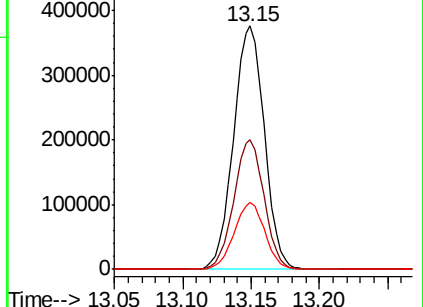
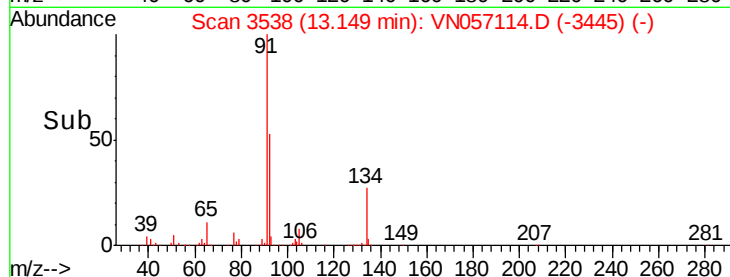
134 27.4 14.1 42.3



Abundance Ion 91.00 (90.70 to 91.70): VN057115.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057115.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057115.D (-3521) (-)



#90

Hexachloroethane

Concen: 23.212 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057114.D

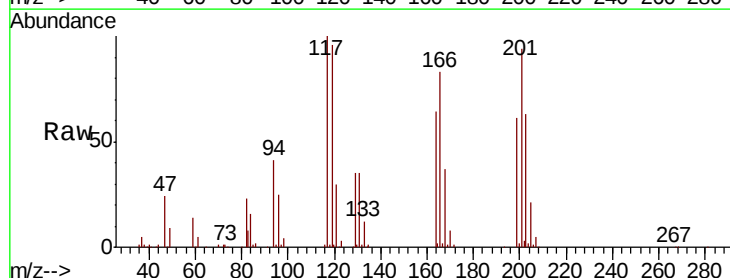
Acq: 7 Aug 2019 19:43

Tgt Ion: 117 Resp: 142949

Ion Ratio Lower Upper

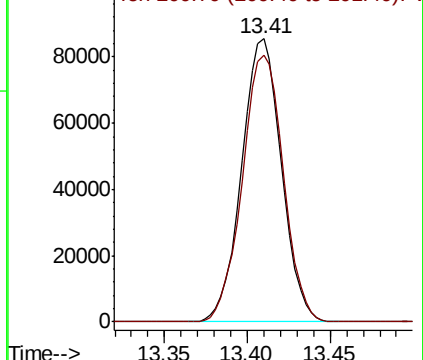
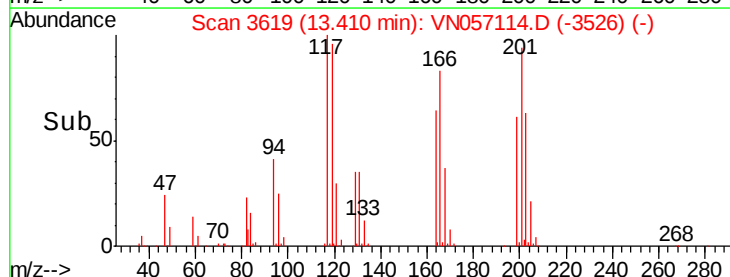
117 100

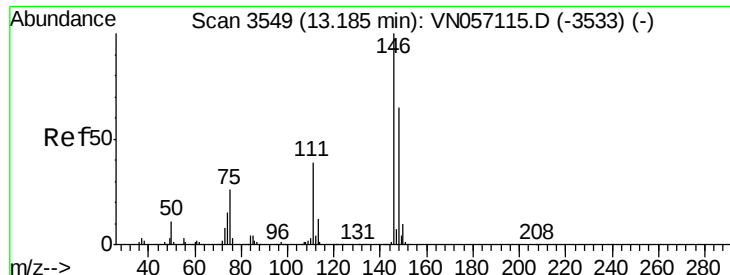
201 97.2 49.3 147.8



Abundance Ion 116.80 (116.50 to 117.50): VN057115.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057115.D (-3603) (-)

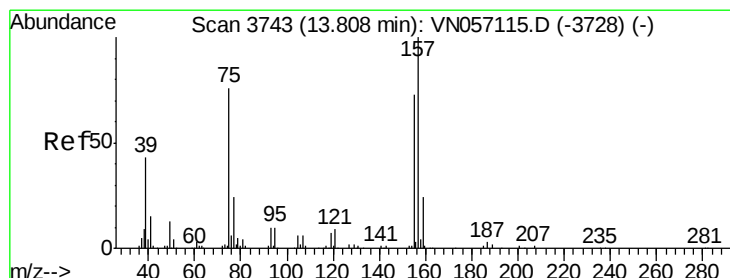
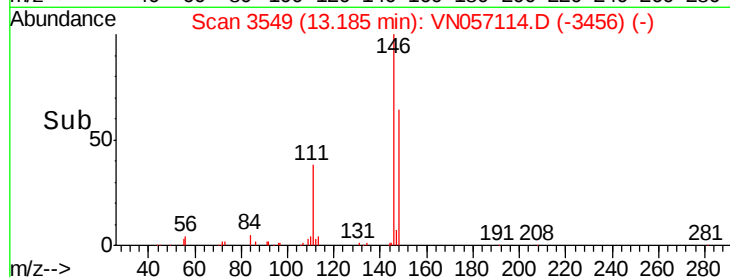
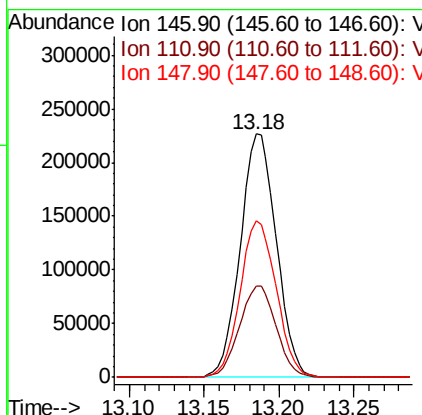
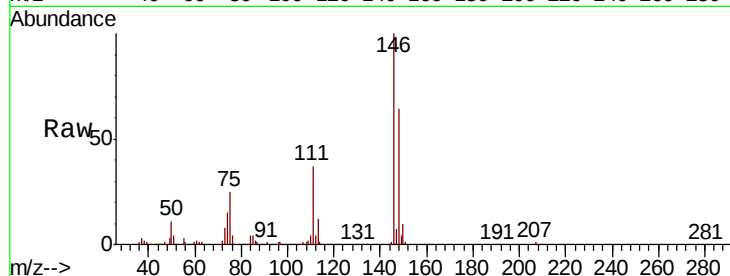




#91
 1,2-Dichlorobenzene
 Concen: 21.133 ug/l
 RT: 13.18 min Scan# 3549
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

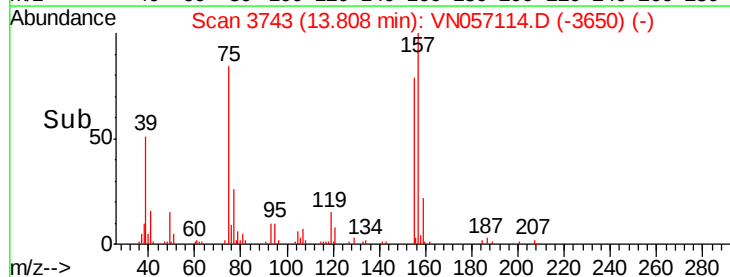
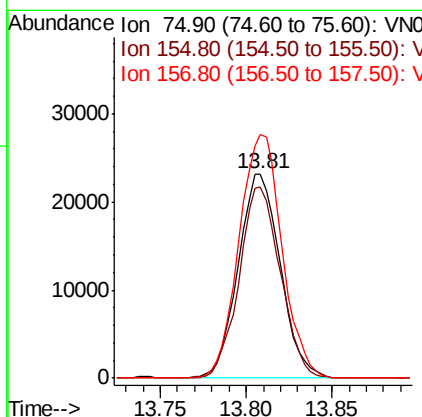
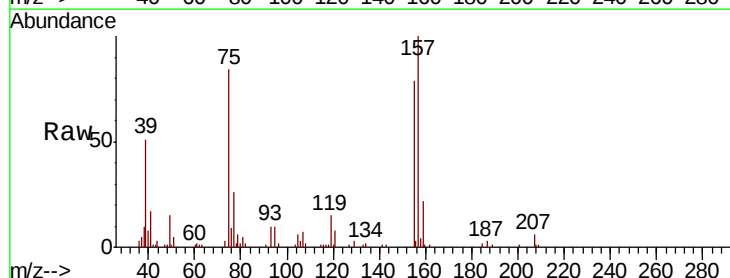
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

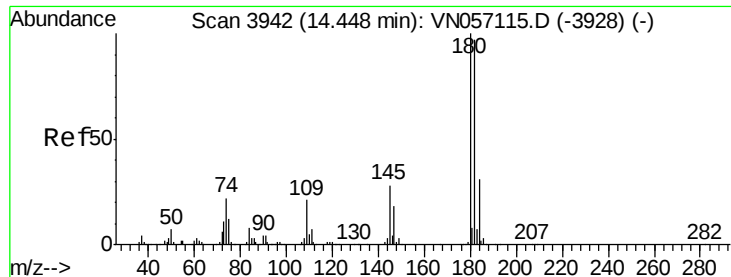
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	64.3	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.369 ug/l
 RT: 13.81 min Scan# 3743
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	49.3	147.9
157	121.2	65.3	195.8

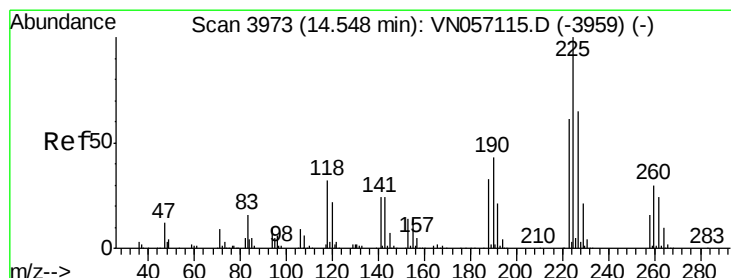
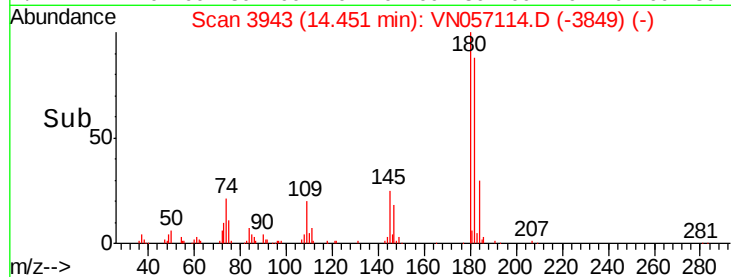
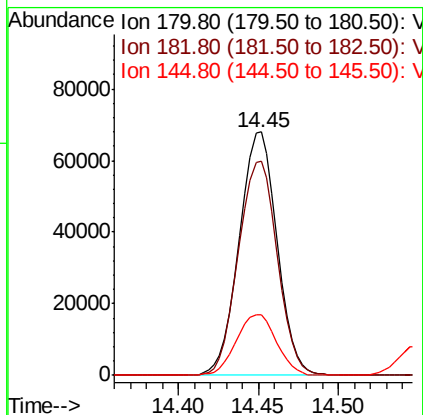
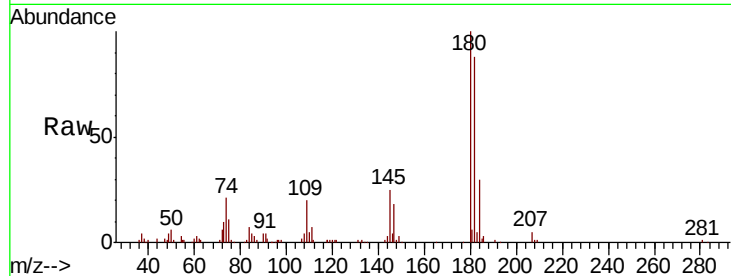




#93
 1,2,4-Trichlorobenzene
 Concen: 13.505 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

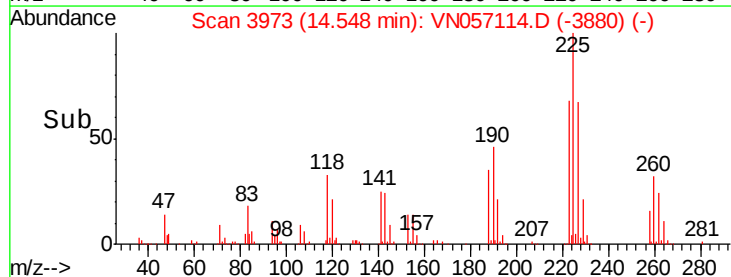
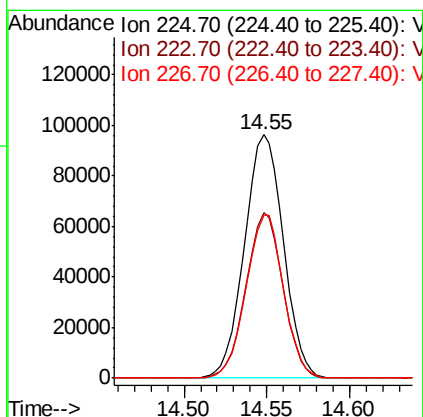
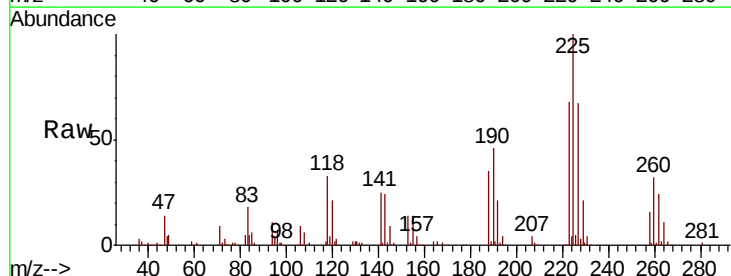
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

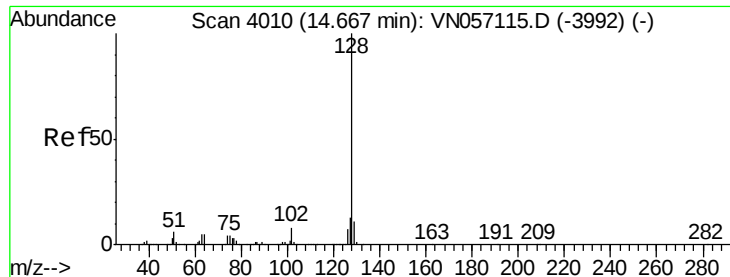
Tgt Ion:180 Resp: 109401
 Ion Ratio Lower Upper
 180 100
 182 90.9 47.5 142.6
 145 26.6 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 21.806 ug/l
 RT: 14.55 min Scan# 3973
 Delta R.T. 0.00 min
 Lab File: VN057114.D
 Acq: 7 Aug 2019 19:43

Tgt Ion:225 Resp: 157125
 Ion Ratio Lower Upper
 225 100
 223 64.7 30.9 92.8
 227 64.5 32.4 97.0





#95

Naphthalene

Concen: 13.566 ug/l

RT: 14.66 min Scan# 4009

Delta R.T. -0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

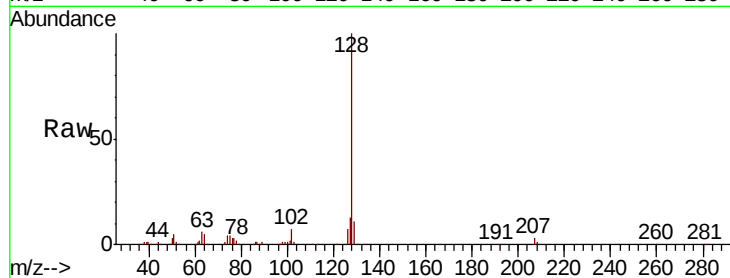
Tgt Ion:128 Resp: 223677

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

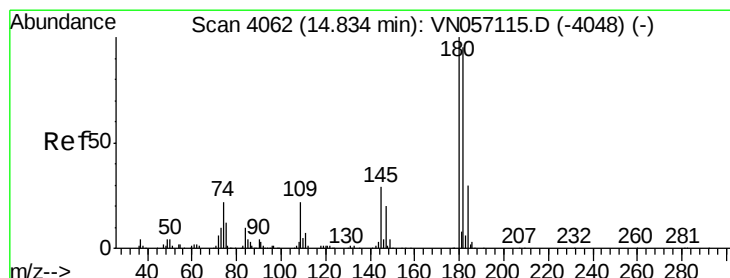
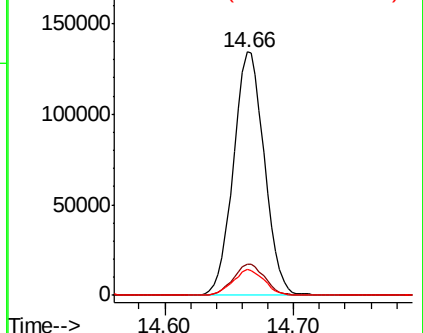
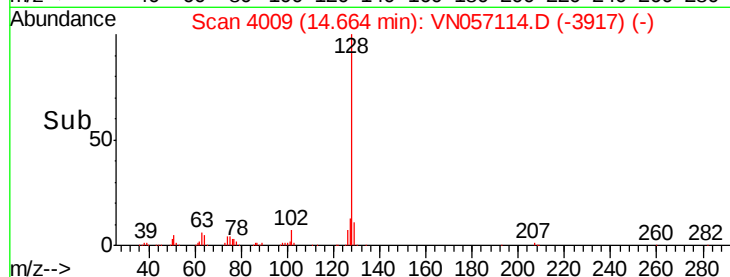
129 10.7 8.8 13.2



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: 14.090 ug/l

RT: 14.83 min Scan# 4062

Delta R.T. 0.00 min

Lab File: VN057114.D

Acq: 7 Aug 2019 19:43

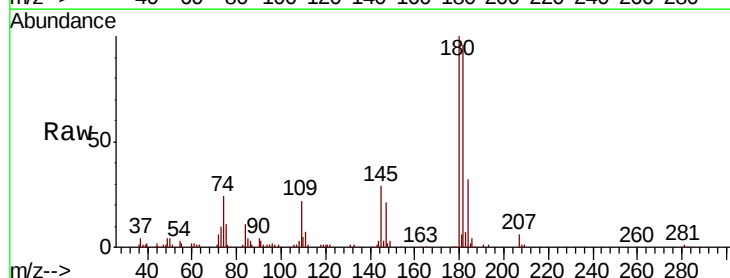
Tgt Ion:180 Resp: 116896

Ion Ratio Lower Upper

180 100

182 95.3 48.3 144.8

145 29.7 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

